

Board of Public Works and Safety Agenda Item

Cover Sheet



TO: Board of Public Works

FROM: Kristyn Parker, Project Coordinator, Utilities Department

SUBJECT: Reward of bid for 2025 Tandem Axle Heavy Duty Dump Truck

DATE: December 17, 2024

Utilities is requesting the Board to award the bid for a 2025 Tandem Axle Heavy Duty Dump Truck to M3K Quality Truck Sales of Indianapolis, LLC. The award amount will be \$185,500 (base price of \$181,500 plus the alternate bid no. 2 of \$4000 for a 40 ton pintle hitch).

This was the only bid that was received, however, the Utilities did request quotes prior to requesting permission to advertise for bids as to gauge the price range of the dump truck. We received three quotes.

M3K Quality Truck Sales of Indianapolis, LLC \$185,500.00
 Rush Truck Center of Indianapolis \$194,540.24

• Palmer - Kensworth of Indianapolis East \$194,907.85

M3K Quality Truck Sales of Indianapolis was the lowest quote we received; therefore, the Utilities believes moving forward with the reward of the bid to M3K is the most reasonable and responsible action.

Thank you for your consideration.



PROPOSAL

2025 TANDEM AXLE HEAVY DUTY DUMP TRUCK NOBLESVILLE UTILITIES

NOBLESVILLE, INDIANA

To the Board of Public Works and Safety, Noblesville, Indiana:

Pursuant to the published "Notice to Bidders", the undersigned has investigated the conditions affecting the cost of the proposed:

2025 TANDEM AXLE HEAVY DUTY DUMP TRUCK

And hereby tenders this bid to construct said project in accordance with the Contract Documents now on file with the City of Noblesville, Indiana, and to furnish all necessary machinery, equipment, tools, labor and other means of construction, and to furnish all material specified in the manner and at the time prescribed as required by the Contract Documents and pursuant to the Payment Bond and Performance Bond to be filed, each in the amount of 100 percent of the Contract price of:

TOTAL BASE BID AMOUNT

| Base | Bid | as | Specified | |
|-------------|--------|-----|---------------------|-------------------|
| one-hundred | eighty | one | thousand five hundr | Dollars (Words) |
| \$ 181,500. | 00 | | | Dollars (Figures) |

These prices are the sum of the quoted unit prices multiplied by the quantity for each item as shown on the attached Itemized Proposal. Whereas as a mathematical computation error exists on the Itemized Proposal; thus causing the above-stated Bid Amount to be stated incorrectly, the Bidder acknowledges that the unit prices, as stated on the Itemized Proposal, shall govern.

ALTERNATE BIDS

The following alternate bid items for material to be furnished and installed as set out below is considered part of this Proposal. In the event any of these alternate bid items are accepted as part of this Proposal, the accepted alternate bid items shall be part of the construction contract and binding upon the Owner and the Contractor.

ALTERNATE BID NO. 1

| For the of: | addition | of Alternate | Bid No. | 1, <u>add</u> | or <u>sub</u> t | tract from | the Base | Bid the p | rice |
|-------------|----------|--------------|---------|---------------|-----------------|------------|----------|-----------|------|
| | Add | / upgrade | e from | n 40 | 00) 4, | 4500 | Allison | | |

These prices are the sum of the quoted unit prices multiplied by the quantity for each item as shown on the attached Itemized Proposal. Whereas as mathematical computation error exists on the Itemized Proposal; thus causing the above-stated Bid Amount to be stated incorrectly, the Bidder acknowledges that the unit prices, as stated on the Itemized Proposal, shall govern.

ALTERNATE BID NO. 2

For the addition of Alternate Bid No. 2, add to the Base Bid the price of:

| Add 40 ton pintle Hitch | |
|-------------------------|-------------------|
| Four-thousand dollars | Dollars (Words) |
| \$ 4,000 | Dollars (Figures) |

These prices are the sum of the quoted unit prices multiplied by the quantity for each item as shown on the attached Itemized Proposal. Whereas as mathematical computation error exists on the Itemized Proposal; thus causing the above-stated Bid Amount to be stated incorrectly, the Bidder acknowledges that the unit prices, as stated on the Itemized Proposal, shall govern.

ALTERNATE BID NO. 3

These prices are the sum of the quoted unit prices multiplied by the quantity for each item as shown on the attached Itemized Proposal. Whereas as mathematical computation error exists on the Itemized Proposal; thus causing the above-stated Bid

Amount to be stated incorrectly, the Bidder acknowledges that the unit prices, as stated on the Itemized Proposal, shall govern.

| ALTERNATE BID N | O. | . 4 |
|-----------------|----|-----|
|-----------------|----|-----|

| For the addition of Alternate Bid No. 4, add to the Base Bid the p | orice of: |
|---|---|
| | Dollars (Words) |
| | Dollars (Figures) |
| These prices are the sum of the quoted unit prices multiplied by item as shown on the attached Itemized Proposal. Where computation error exists on the Itemized Proposal; thus causing Amount to be stated incorrectly, the Bidder acknowledges the stated on the Itemized Proposal, shall govern. | as as mathematical the above-stated Bid |
| The undersigned further agrees to complete the furnishing and const and be substantially completed and ready for use on or before /a / | ruction of this Contract |
| Enclosed is a certified check to the Board of Public Works and Safety, Bid Bond binding the undersigned and surety to the Board of Public Wooblesville, Indiana, in the amount of: | City of Noblesville, or a orks and Safety, City of |
| - | |
| | Dollars (Words) |
| | Dollars (Figures) |
| which amount is not less than ten percent (10%) of the total bid amount alternate Bids) as set out above, guaranteeing the undersigned will en | ount (Base Bid and all ter into contract for the |

As required by the statutes of the State of Indiana for any bid of \$100,000 of more, Questionnaire Form 96 (revised 2013), of the Indiana State Board of Accounts is properly executed and attached hereto. It is hereby agreed that this Proposal shall remain in full force and effect, and may not be withdrawn for a period of 60 days from the date of receiving proposals by the Board of Public Works and Safety, Noblesville, Indiana.

performance of the work if this Proposal is accepted.

Respectfully submitted,

P-3

Contractor

(Partnership) or (Corporation) Ву: M3K Quality Truck Sales of Indianopolis, LLC Address: 1401 Harding Ct. Indianapolis, IN 46217

(Individual)

| Dated: | |
|---|---------|
| 11/21/24 | |
| The above Bidder acknowledges receipt of Adde | nda Nos |

Note: The legal status of the Bidder, whether as an individual, partnership or corporation must be indicated as above, and all pertinent information as required by the Specifications must be furnished.



PART I (To be completed for all bids. Please type or print)

| Date (month, day, year): 11/21/24 |
|--|
| 1. Governmental Unit (Owner): City of Nobles ville |
| 2. County: Hamilton County, Indiana |
| 3. Bidder (Firm): M3K Quality Truck Sales of Indianapolis, LLC |
| Address: 1401 Harding Of |
| City/State/ZIPcode: Indianapolis, IN 46217 |
| 4. Telephone Number: <u>C3)7</u>) 7-84 - 37-40 |
| 5. Agent of Bidder (if applicable): |
| Pursuant to notices given, the undersigned offers to furnish labor and/or material necessary to complete |
| the public works project of one 2026 model year tandem axle Heavy dump truck |
| (Governmental Unit) in accordance with plans and specifications prepared by M3K Mack |
| and dated! \/2\/24 for the sum of |
| One hundred eighty one thousand fine hundred \$ \$ 181,500 |
| The undersigned further agrees to furnish a bond or certified check with this bid for an amount specified in the |

The undersigned further agrees to furnish a bond or certified check with this bid for an amount specified in the notice of the letting. If alternative bids apply, the undersigned submits a proposal for each in accordance with the notice. Any addendums attached will be specifically referenced at the applicable page.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit basis, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS (If applicable)

I, the undersigned bidder or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel products on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ACCEPTANCE

| g conditions: | | | |
|--|---|---|---|
| | | | |
| cting Authority Membe | rs: | | |
| | , | | |
| | | | |
| (F | | | 36-1-12-4) |
| | Unit: <u>City</u> of | Noblesvill pu | ablic works |
| , , | | | |
| | | **/ | |
| These statements to ladditional pages for ea | be submitted under oa ich section as needed | ith by each bidder w | rith and as a part of his bid. |
| | | | ONNAIRE |
| What public works produce of the current bio | ojects has your organi | | |
| Contract Amount | Class of Work | Completion Date | Name and Address of Owner |
| | N | A | |
| What public works pro | ojects are now in proce | ess of construction t | by your organization? |
| Contract Amount | Class of Work | Expected Completion Date | Name and Address of Owner |
| | NA | | |
| | | | |
| | Governmental Bidder (Firm) Date (month, or These statements to be additional pages for ear What public works produce of the current bid Contract Amount What public works produced the current bid | Governmental Unit: City of Bidder (Firm) Date (month, day, year): 11/21 These statements to be submitted under or additional pages for each section as needed SECTION I EXPE What public works projects has your organizedate of the current bid? Contract Amount Class of Work What public works projects are now in process. | PART II (For projects of \$150,000 or more – IC 3 Governmental Unit: City of Noblesvill purished (Firm) Date (month, day, year): 11/21/24 These statements to be submitted under oath by each bidder wand it on a needed. SECTION I EXPERIENCE QUESTIVE What public works projects has your organization completed for date of the current bid? Contract Amount Class of Work Completion What public works projects are now in process of construction to the current bid? Contract Amount Class of Work Completion |

| Have | you ever failed to o | complete any v | vork awarde | ed to you? | | If s | o, where and why |
|---------|--|-----------------|-------------|--------------|-----------------|-----------------------------|--|
| | | | | | | | |
| List re | eferences from priva | | | | | | |
| _ | | | | | | | |
| _ | | | | | | | |
| | SECTION | ON II PLAN A | ND EQUI | PMENT C | UESTIONN | AIRE | |
| you co | n your plan or layo ould begin work, co e would enable the | mplete the pro | ject, numbe | er of worker | rs. etc. and an | d include a ny other int | narrative of when formation which yo |
| | | | | | | | |
| | | | | | | | |
| who ha | e list the names and ave performed part along with a brief d | of the work) th | nat you hav | e used on I | public works p | roiects du | le your own firm ring the past five (|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| If you intend to sublet any portion of the work, state the name and address of each subcontractor, equipment to be used by the subcontractor, and whether you will require a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use subcontractor on the proposed project. |
|--|
| |
| |
| What equipment do you have available to use for the proposed project? Any equipment to be used by subcontractors may also be required to be listed by the governmental unit. |
| |
| |
| Have you entered into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which would corroborate the prices listed. |
| |
| |

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of bidder's financial statement is mandatory. Any bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the contract must be specific enough in detail so that said governing body can make a proper determination of the bidder's capability for completing the project if awarded.

SECTION IV CONTRACTOR'S NON - COLLUSION AFFIDAVIT

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to include anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale.

SECTION V OATH AND AFFIRMATION

| I HEREBY AFFIRM UNDER THE PEN CONTAINED IN THE FOREGOING BI | | |
|--|--------------------------|--|
| Dated at | this 21 st | day of November, 2024 |
| | Mik Quality Truck & | Name of Organization) |
| | By Logan Stan | nen |
| | Sales | Rep (Title of Person Signing) |
| | ACKNOWLEDGEMEN | NT |
| STATE OF INDIANA | _) | |
| COUNTY OF MARION |) ss) | |
| Before me, a Notary Public, personally | appeared the above-named | Logal Stammed and |
| swore that the statements contained in | | - I |
| Subscribed and sworn to before me thi | day of 1 | Notary Public |
| My Commission Expires: Feb. 10 County of Residence: Mario | • | ANITA L, BURCHAM Marion County My Commission Expires February 10, 2026 |

February 10, 2026

Part of State Form 52414 (R2 / 2-13) / Form 96 (Revised 2013)

| Ц | |
|---|---|
| C | |
| |) |
| α | 1 |

M3K Quality Truck Sales of Indianopolis, LLC (Contractor)

1401 Harding CT. Indonepous In 46217 (Address)

FOR

PUBLIC WORKS PROJECTS

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| drup | |
|--------|--|
| Landen | |
| duty | |
| Heavy | |
| year | |
| model | |
| 2026 | |

Filed

Action taken

NON-COLLUSION AFFIDAVIT

2025 Tandem Axle Heavy Duty Dump Truck Noblesville Utilities

NOBLESVILLE, INDIANA

The Bidder, by its officers and agents or representatives present at the time of filing this bid, being duly sworn, on their oaths say that neither they nor any of them have in any way directly or indirectly entered into any arrangement or agreement with any other Bidder or with any public officer whereby such affiant or affiants, or either of them has paid or is to pay such other Bidder or public officer anything of value whatsoever, or such affiant or affiants, or either of them has not directly or indirectly entered into any arrangement with any other Bidder or Bidders which tends to or does lesson or destroy free competition in the letting of the contract sought for by the attached bids; that no inducement of any form or character other than that which appears upon the face of the bid will be suggested, offered, paid, or delivered to any person whomsoever to influence the acceptance of the said bid or awarding of the Contract, nor has this Bidder any agreement or understanding of any kind whatsoever with any person whomsoever, to pay, deliver to, or share with any person in any way or manner any of the proceeds of the Contract sought by this bid.

| Title |
|--|
| By: Logan Stammen, Sales Rep. |
| Indianapolis, IN 46217 |
| Address: 1401 Handing CT. |
| Name: Mik Quality Truck Sales of Indianapolic, LLE |
| Witness our hands this 2157 day of November, 2024. |



Bid Bond

CONTRACTOR:

(Name, legal status and address)
M&K Truck Centers

Bond No.

SURETY: Western Surety Company: South Dakota Corporation (Name, legal status and principal place of business)

151 N. Franklin Street 17th Floor Chicago, IL 60606

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:

(Name, legal status and address)
City of Noblesville

BOND AMOUNT: Ten Percent of the Attached Bid (***10%***)

PROJECT:

(Name, location or address, and Project number, if any) tandem axle dump truck

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

| Signed and sealed this26 day ofN | lovember , 2024 | |
|--|---|-----------|
| 10081 | M&K Truck Centers | |
| (Witness) | (Principal) | (Seal) |
| | (Title) | |
| $ \sim$ \sim \sim \sim \sim \sim \sim \sim \sim \sim | Western Surety Company | |
| (Witness) | (Surety) Rhott Pringle | SURETY C |
| | (Title) Rhett Pringle, Attorney-in-Fact | S OR ORAL |

Printed in cooperation with the American Institute of Architects (AIA).

The language in this document conforms to the language used in AIA Document A310 - Bid Bond - 2010 Edition.

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

John Avery, Cathryn M Ware, Bradford J Poggi, Torrie Meier, Shelley R Henschel, Mackenzie Anderson, Rhett Pringle, Individually

of Grand Rapids, MI, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 4th day of September, 2024.

WESTERN SURETY COMPANY

State of South Dakota County of Minnehaha

} ss

On this 4th day of September, 2024, before me personally came Larry Kasten, to me known, who, being by me duly swom, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

March 2, 2026

M. BENT
SEAL NOTARY PUBLIC SEAL
SOUTH DAKOTA

M. Bent

M. Bent, Notary Public

Larry Kasten, Vice President

CERTIFICATE

I, Paula Kolsrud, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this

26 day of November, 2024



WESTERN SURETY COMPANY

Paula Kolsrud, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022;

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

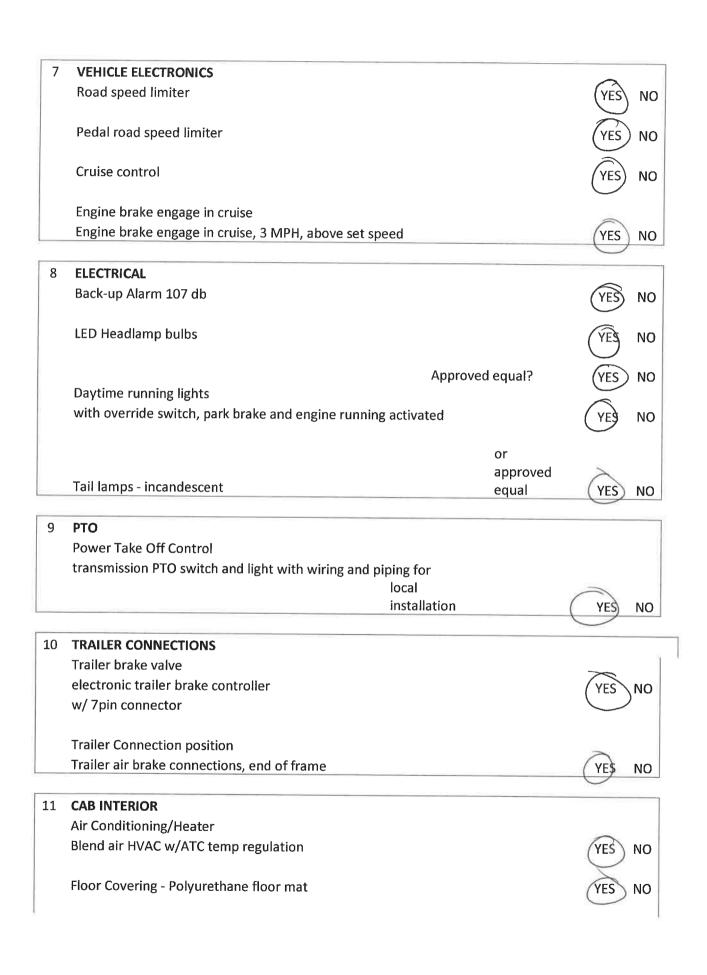
Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

Form F4280-6-2023

CITY OF NOBLESVILLE NOBLESVILLE UTILITIES

2024 BID SPECIFICATIONS FOR TANDEM AXLE HEAVY DUTY DUMP TRUCK

| 1 | 1 | ENGINE | | _ | |
|---|---|--|---------------|------------|------|
| | | Peak Power Minimum 395 HP | | YES |) NO |
| | | Peak Torque 1550 lb-ft | | YES |) NO |
| | | Diesel | | YES |) NO |
| | 2 | ENGINE EQUIPMENT | | | |
| | | Single element Air Cleaner with air intake from both | sides of hood | YES | NO. |
| | | 37.4 CFM Air Compressor | | YES |) NO |
| | | Block heater 120v 1500w or equal | | YES |)NO |
| ſ | 3 | ENGINE ELECTRONICS | | | |
| | 3 | Oil pressure, engine shutdown | | YES | NO |
| | | Coolant temperature, engine shutdown | | YES | NO |
| | | Engine Protection System (shutdown) | | YES | NO |
| ř | | | | | |
| | 4 | EXHAUST | | \bigcirc | |
| | | Single, vertical, cab mounted | | (YES) | NO |
| | 5 | CLUTCH/TRANSMISSION EQUIPMENT | | | |
| | _ | 4000 RDS 6 speed Allison Gen 6w/prognostics, PTO | provision | YES | NO |
| l | | | Approved | | |
| | | | equal? | YES | NO |
| | | Dash mounted shifter or equal | | YES | NO |
| Г | 6 | TRANSMISSION ELECTRONICS | | | |
| | U | Dump/Vocational Transmission Package | | | |
| | | Allows truck to be put in gear without service brake | | YES | on(|
| | | | | | - 1 |



14 REAR AXLE EQUIPMENT

Rear axle: fabricated steel housing

| 12 | FRAME EQUIPMENT/FUEL TANKS | |
|----|---|----------|
| | Wheelbase 181" (min.) | YES NO |
| | | |
| | AF (Overhang) 57" (min.) | YES NO |
| | | |
| | Frame rails and Liners .37"x3.54"x11.81" min. | (YES) NO |
| | 6" bolt on frame extension | 7/50 110 |
| | 5 Solt of Traine extension | (YES) NO |
| | Crossmembers - BOC and intermediate(s) steel HD | |
| | back to back channel | YES NO |
| | | |
| | Steel closing rear crossmember | YES NO |
| | | |
| | Extended-swept back-steel front bumper | YES NO |
| | Towing device, front: Hooks | VES NO |
| | Towing device, none. Hooks | (YES) NO |
| | Towing device, back: Hooks, frame mounted | (YES) NO |
| | | |
| | 66 gallon fuel tank | YES) NO |
| | | |
| | Braided fuel hoses | (YES) NO |
| | 2 step cab access | (VEC) NO |
| | 2 step cab access | (YES) NO |
| 13 | FRONT AXLE EQUIPMENT | |
| | Front axle brakes: 16.5" x 6" | (YES NO |
| | | |
| | Brake: Cast iron | (YES) NO |
| | Unit was at the | |
| | Hub material: Ferrous | (YES) NO |
| | Double acting shock absorber | WEG NO |
| | Dodale deting shock absorber | (YES) NO |
| | Power steering Power steering | (FES NO |
| | | .5- 110 |

| 1 | | W |
|----|--|---------------|
| | | 7 |
| | Interaxle power divider lockout, w/buzzer and light | YES NO |
| | Rear axle ratio: 3.56 min. | YES NO |
| | | |
| | Rear suspension: 40,000 lb. capacity min, 50" spacing min, | |
| | bronze bushings | YES NO |
| | Urethane shock insulators, heavy duty | YES NO |
| | | |
| | Tranverse torque rod | (YES) NO |
| | Rear axle brake: 16.5"x7" | CVER NO |
| | Neal date brake: 10.5 X/ | (YES) NO |
| | Brake: Cast iron | (YES) NO |
| F: | | |
| 15 | PAINT | |
| | Color: White | YES NO |
| - | | |
| 16 | WARRANTY & PURCHASED COVERAGES | |
| | Chassis coverage: Heavy Duty base coverage; | \Rightarrow |
| | 12 months/100,000 miles | (YES) NO |
| | Engine warranty: Base engine coverage; | |
| | 24 months/250,000 miles | VEC NO |
| | 24 months/230,000 miles | (YES) NO |
| | Emission component coverage: 60 months/100,000 miles | YES) NO |
| | | |
| | Transmission warranty: per manufacturer | |
| | Coming 8 Aula hausing comment of CO as author/E00 000 | |
| | Carrier & Axle housing warranty: 60 months/500,000 miles | (YES) NO |
| | Air conditioning warranty: 12 months unlimited mileage | YES NO |
| | | |
| | Chassis Towing waranty: 90 days or 5,000 miles | (YES) NO |
| | Engine Touring was made 24 as a the /250 000 at 1 | G: |
| | Engine Towing warranty: 24 months/250,000 miles | YES NO |
| 17 | Dump Body | |
| | 14' Dump Body | MES NO |
| | | |
| | Steel sides, floor and ends | (YES) NO |
| | | |
| | | |

 $[\, \, \,]$

| 48" sides | YES NO |
|-----------------------------------|----------|
| 54" 6-Panel Tailgate | YES NO |
| Steps - inside and outside | YES NO |
| 30 Gallon Oil Tank | YES NO |
| Hoses, Fittings and Control Tower | YES NO |
| LED Stop/Turn & Tail Lights | VES NO |
| Wiring Harness | YES NO |
| Stop Cable | YES NO |
| 8" Spread Apron | (YES) NO |
| Sludge Locks | YES NO |
| 6" Amber Strobe Lights | YES NO |
| Spring Upper Mount Tarp System | YES NO |

CUSTOMER PROPOSAL

MACK

PREPARED FOR

M&K EQUIPMENT

4350 CLYDE PARK AVE SW WYOMING

MI 495094090

DATE

11/21/2024

PREPARED BY

M&K QUAL TRK SALES OF INDIANAPOLIS, LLC

1401 HARDING CT

INDIANAPOLIS

IN 46217-9538

QUOTE INFORMATION

MEYE2024000199D506

GRANITE 64BR

Qty: 1

Chassis Specs





1401 HARDING CT INDIANAPOLIS, IN 46217 317-784-3740



PREPARED FOR

M&K EQUIPMENT 4350 CLYDE PARK AVE SW

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GRANITE 64BR

Qty: 1

Thank you for giving us this opportunity to provide a quote.

This proposal contains the complete specification and performance details of the Mack model configured for your application. Every proposed spec from Mack is prepared with lowest total cost of ownership and highest return on investment as the key objectives for our customers.

This reflects Mack's focus on application excellence to deliver uptime and fuel economy, reduced maintenance, driver satisfaction, productivity and high resale value. The enclosed spec and recommendations have been carefully designed to meet all these objectives.

Beyond the technical specifications contained in this proposal, it's important to remember that each Mack truck is backed by Mack Connect, the industry's leading uptime and productivity solution, plus a coast-to-coast network of dealer service locations. I think that after reviewing this proposal you will realize why Mack is "The American Truck You Can Count On."

I look forward to meeting with you and to discuss any questions you might have regarding this proposal.

Yours sincerely

LOGAN STAMMEN

M&K QUAL TRK SALES OF INDIANAPOLIS, LLC

MEYE2024000199D506

TECHNICAL SPECIFICATION GRANITE 64BR



| MODEL DEFINING | | | | WEIGHT (LB) | |
|----------------|-------------|--|---------------------------|-------------|------|
| MOD | EL DEFINING | The state of the s | DESCRIPTION | FRONT | REAR |
| S | PB100K | PRICE BOOK LEVEL | 2026A Pricebook | 0 | 0 |
| S | LAX05X | VOLTAGE | ELECTRICAL SYSTEM 12 VOLT | 0 | 0 |

| | APPLICATION PACKAGES DESCRIPTION ONE POY FATE BY BOY OF CALLON (OF IN CALLON (OF INCALLON (OF IN CALLON (OF IN C | | | WEIGH | T (LB) |
|------|--|-------------------------------|---|-------|--------|
| APPL | ICATION PAC | KAGES | DESCRIPTION | FRONT | REAR |
| | MPK0LK | CHASSIS CONFIGURATION PACKAGE | ONEBOX EATS, RH BATTERY BOX, 6.6 GALLON (25L) SLEEVED DEF, 22" SLEEVED LH FUEL TANK | 0 | 0 |
| S | MBP02P | BODY BUILDER PACKAGE | WITHOUT BODY BUILDER PKG | 0 | Ω |

| | | | | WEIGH | IT (LB) |
|----|--------------|---|--|-------|---------|
| CU | STOMER/VEHIC | LE INFO | DESCRIPTION | FRONT | REAR |
| S | 002EO2 | CHASSIS (BASE MODEL) | GRANITE 64BR | 4,857 | 1,848 |
| S | 99X93X | ASSEMBLY PLANT | Made in Macungie, PA USA | 0 | 0 |
| | MP2001 | CUSTOMER FLEET SIZE | DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND | 0 | 0 |
| S | 013001 | TYPE OF SERVICE | COMMERCIAL | 0 | 0 |
| S | M98018 | WARRANTY REGISTRATION LOCATION | USA - WARRANTY REGISTRATION LOCATION | 0 | 0 |
| | MBT01T | EMISSION WARRANTY CERTIFICATION | EPA (only) for Mack MP7 / MP8 Diesel | 0 | 0 |
| | 694DDD | Order Subject to Meeting All Mack Policies, Terms and Conditions, | Including but not Limited to Applicable CARB and/or Section 177 States' Regulation requirements | 0 | 0 |
| | M84014 | INTENDED REGISTRATION LOCATION | INDIANA | 0 | 0 |
| s | 5050B5 | INITIAL REGISTRATION LOCATION | USA REGISTRATION | 0 | 0 |
| | 5FFB1X | BRAND ORNAMENT | BULLDOG, CHROME | 0 | 0 |
| S | 534014 | LANGUAGE-PUBS/DECAL/SIGNS | ENGLISH | 0 | 0 |
| S | DHX10X | ROAD CONDITION | WELL MAINTAINED SURFACED ROADS >95% DRIVING DISTANCE | 0 | 0 |
| | 0050L5 | VEHICLE USE & BODY/TRAILER TYPE | DUMP TRUCK | 0 | 0 |
| | 2KEC1X | TRAILER TYPE | FIXED DRAWBAR TRAILER AND CENTERED AXLES | 0 | 0 |
| | DKXEDX | GROSS COMBINATION WEIGHT (CA in PC29 only) | 65,000 LB (29.5 TONNES) GROSS COMBINATION WEIGHT | 0 | 0 |
| S | 7OBB1X | BRAKE REGULATION | BRAKE REGULATION, STOPPING DISTANCE 94M (310FT) | 0 | 0 |
| | QCXA1X | TOPOGRAPHY | GRADES <3% GREATER THAN 98% OF DRIVING DISTANCE MAX GRADE 8% | 0 | 0 |
| S | E1BD1X | AMBIENT TEMP UPPER LIMIT | AMBIENT TEMPERATURE HOT. WARMER THAN 104 F (40 C) ALLOWED UP TO 25 HOURS PER YEAR | 0 | 0 |
| S | 032A89 | OPERATING TERRAIN GRADE CONDITIONS | ON-OFF HIGHWAY, STARTING GRADES<18% | 0 | 0 |
| S | 033A10 | LOADING SURFACE FACTOR | CONCRETE LOADING AND / OR UNLOADING SURFACE | 0 | 0 |
| | 0342A2 | VEHICLE VOCATION | CONSTRUCTION SERVICE | 0 | 0 |

| | | | | WEIGHT (LB) | |
|-----|--------------|----------------------------|---|-------------|------|
| ENG | INE/TRANSMIS | SIONS | DESCRIPTION | FRONT | REAR |
| | 100400 | ENGINE / MOTOR | MP7-395C MACK 395HP @ 1450-1700 RPM (PEAK) 1950 RPM (GOV) 1550 LB-FT, US'21 | 2,549 | -231 |
| S | 3GCB1X | GHG APPLICATION, VEHICLE | GREEN HOUSE GAS VOCATIONAL APPLICATION | 0 | 0 |
| | 136236 | TRANSMISSION | 4000 RDS 6 SPEED ALLISON GEN 6 W/PROGNOSTICS, WITH PTO PROVISION | 732 | 245 |
| s | V4EZ9X | GEARBOX 12TH GEAR LOCK-OUT | WITHOUT 12TH GEARBOX GEAR LOCK-OUT | 0 | 0 |

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| | | | | WEIGH | T (LB) |
|------|-------------|--|---|-------|--------|
| EXHA | UST/EMISSIO | NS | DESCRIPTION | FRONT | REAR |
| | Z8FT1X | NOX LIMITS | CARB LEGACY / EPA (200MG/HP/HR), 50 State Idle Compliance | 0 | 0 |
| s | Y7BC1X | IDLE EMISSION LABEL LOCATION (CA in PC29 only) | IDLE EMISSION LABEL LOCATION, LOWER LH CORNER OF DRIVER DOOR | 0 | 0 |
| S | DPF04F | DPF DIESEL PARTICULATE FILTER | CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21 | 0 | 0 |
| s | MCF07F | CHASSIS MOUNTED EMISSIONS FINISH | W/O DEF COVER & PAINTED DPF COVER | 0 | 0 |
| S | DF1001 | DIESEL EXHAUST FLUID TANK | 6.6 GALLON (25 L) 22" LEFT SIDE FUEL TANK MTD | 89 | 31 |
| | 130AD7 | EXHAUST | SINGLE VERTICAL RIGHT SIDE CAB MOUNTED, LOWER VENTURI DIFFUSER, TURNED END | -35 | -17 |
| | KRXAPX | EXHAUST STACK HEIGHT | 9' 6" FROM GROUND | 0 | 0 |
| s | Q0AA1X | EXHAUST - BRIGHT FINISH | W/O BRIGHT FINISH EXHAUST | 0 | 0 |
| | 78AAAX | EMISSION ON BOARD DIAG CONTROL | EMISSION OBD, DISPLAY ONLY, USA2025 | 0 | 0 |

| | | | | WEIGH | T (LB) |
|------|--------------|---|--|-------|--------|
| ENGI | NE EQUIPMENT | | DESCRIPTION | FRONT | REAR |
| S | 125045 | AIR CLEANER | UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD | 0 | 0 |
| S | 121AA5 | BUG SCREEN | BLACK ALUMINUM BUG SCREEN MOUNTED BEHIND GRILLE, WITHOUT WINTER FRONT COVER | 0 | 0 |
| S | 1130G3 | AIR COMPRESSOR/DRYER | WABCO HEATED SS-HP AIR DRYER W/ WABCO 636 (37.4 CFM) AIR COMPRESSOR | 0 | 0 |
| S | KOXA1X | AIR DRYER POSITION (CA) | AIR DRYER POSITION STANDARD | 0 | 0 |
| S | 132AB9 | ALTERNATOR | DELCO 12V 160A (28SI) BRUSH-TYPE | 16 | 0 |
| S | 316AA5 | BATTERIES | (3) MACK 12V 760/2280 CCA THREADED STUD TYPE | 7 | 3 |
| S | 393AB0 | BATTERY BOX - MOUNTING (x) | RH RAIL BEHIND SCR | 0 | 0 |
| S | L5XA1X | BATTERY BOX COVER | MOLDED PLASTIC | 0 | 0 |
| S | NCXA5X | STARTER MOTOR | 12 VOLT DELCO 39MT-MXT | 31 | 0 |
| | 110AA5 | ENGINE BRAKE | MACK MP7 POWERLEASH | 0 | 0 |
| s | JMXB1X | VEHICLE/TRAILER STOP LAMP APPLICATION (CA) | VEHICLE AND TRAILER (IF APPLICABLE) STOP LAMPS ACTIVATE UPON SERVICE BRAKE APPLICATION ONLY(3899000) | 0 | 0 |
| S | J2EAAX | ENGINE BRAKE ACTIVATION | ENGINE BRAKE ACTIVATION, BASIC | 0 | 0 |
| S | 118AB8 | FAN DRIVE | BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE | 0 | 0 |
| s | 119Al9 | COOLANT PROTECTION | ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PINK) TO -34DEG, W/ FILTER | 0 | 0 |
| S | 124AA3 | HOSES - RADIATOR/HEATER | MACK EPDM RADIATOR & HEATER HOSES | 0 | 0 |
| S | 293043 | FUEL-WATER SEPARATOR | MACK W/MANUAL DRAIN VALVE V2 (INTEGRAL W/ PRIMARY FUEL FILTER) | 0 | 0 |
| S | MBXA1X | RELOCATE FUEL FILTER (CA) | STANDARD FUEL FILTER POSITION | 0 | 0 |
| S | MCA04A | ENGINE HEATERS | 120v 1500w BLOCK HEATER ONLY (120V-15A PLUG) | 0 | 0 |
| | 5NXA1X | ENGINE BLOCK HEATER | 120V 1500W ENGINE BLOCK HEATER | 5 | 0 |
| S | QHXC1X | OIL SUMP | OIL PAN | 0 | 0 |
| S | 2YBZ1X | EMERGENCY ENGINE STOP (CA) | WITHOUT ENGINE STOP, EMERGENCY | 0 | 0 |

| | | | | | IT (LB) |
|------|-------------|---------------------------------------|---|-------|---------|
| CLUT | CH/TRANS EC | QUIPMENT | DESCRIPTION | FRONT | REAR |
| | 492007 | GEAR SHIFTER | ALLISON DASH MOUNTED SHIFTER W/NEUTRAL TO RANGE INHIBIT (HD SERIES) | 0 | 0 |
| s | MCB05B | CLUTCH ACTUATION SYSTEM & PEDAL PAD | WITHOUT CLUTCH CABLE SYSTEM | 0 | 0 |
| | MRP002 | MINIMUM REQUIRED DRIVELINE SIZE (KAX) | MINIMUM REQUIRED DRIVELINE FOR KAX, PROPS-M | 0 | 0 |
| | 195AB0 | DRIVELINE - MAIN | MERITOR 18 MXL "XTENDED LUBE" (PROPS-L) | 0 | 0 |

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| | | | | WEIGH | T (LB) |
|------|-------------|------------------------------|---|-------|--------|
| CLUT | CH/TRANS EC | UIPMENT | DESCRIPTION | FRONT | REAR |
| | 204AA6 | DRIVELINE - INTERAXLE | MERITOR 18 MXL "XTENDED LUBE" | 0 | 31 |
| | 76AA1X | DRIVESHAFT MAIN U-JOINT | UNIVERSAL JOINT HALF-ROUND TYPE (where applicable) | 0 | 0 |
| S | XAAAW8 | DRIVESHAFT INTERAXLE U-JOINT | HALF-ROUND UNIVERSAL JOINT | 0 | 0 |
| s | 4LDA1X | TRANSMISSION OUTPUT TORQUE | TRANSMISSION OUTPUT TORQUE BASIC | 0 | 0 |
| | 7RXAEX | LUBRICANTS, TRANSMISSION | TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS | 0 | 0 |
| | 139008 | TRANSMISSION OIL COOLER | ALLISON 4xxx SERIES TRANSMISSION W/DIRECT MOUNT COOLER & SS COOLANT TUBES | 0 | 0 |

| | | | | WEIGHT (LB) | |
|-----|--------------|-------------------------|---|-------------|------|
| FRO | NT AXLE EQUI | PMENT | DESCRIPTION | FRONT | REAR |
| S | 240AA2 | FRONT AXLE | 18000# (8200 KG) MACK FXL18 STRAIGHT SPINDLE/UNITIZED BEARINGS | 325 | 0 |
| s | 244AB1 | SPRINGS - FRONT | MACK TAPERLEAF 18000# (8200 KG) GROUND LOAD RATING, EQUAL BIAS | 27 | 0 |
| | 241081 | BRAKES - FRONT | MERITOR "S" CAM TYPE 16.5" x 6" Q+ | 29 | 0 |
| | U3XA1X | BRAKE DRUMS - FRONT | CAST IRON | 0 | 0 |
| | U0AA1X | SLACK ADJUSTERS - FRONT | HALDEX - AUTOMATIC | 0 | 0 |
| | V7AB1X | BRAKE CHAMBERS - FRONT | FRONT BRAKE CHAMBER MANUFACTURER, HALDEX | 0 | 0 |
| | 0KXA1X | HUBS - FRONT | FERROUS | 157 | 0 |
| S | 61500A | FRONT AXLE LUBRICANT | FRONT AXLE LUBE, FAG NLGI2 GREASE | 0 | 0 |
| S | 1KAA1X | SHOCK ABSORBERS - FRONT | DOUBLE ACTING TYPE | 0 | 0 |
| s | 245AA3 | STEERING | TRW TAS66+RCH60 POWER | 175 | 0 |

| | | | | WEIGH | T (LB) |
|------|--------------|-----------------------------------|---|-------|--------|
| REAF | R AXLE EQUIP | MENT | DESCRIPTION | FRONT | REAR |
| | 268055 | REAR AXLE | 40000# (18100kg) MACK S400R FABRICATED STEEL HOUSING | 0 | 1,445 |
| S | 6MAA1X | WIDE TRACK AXLE OPTION | W/O WIDE TRACK AXLE | 0 | 0 |
| S | 617003 | DRIVE AXLE LUBRICANT | DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL | 0 | 0 |
| s | 01800R | CARRIER - REAR AXLE | 150/151 SERIES (Tandem Mack Rear Axles up to 150,000lb GCW) | 0 | 0 |
| s | 3LAC1X | POWER DIVIDER LOCKOUT | INTERAXLE POWER DIVIDER LOCKOUT, W/BUZZER & LIGHT | 0 | 40 |
| | TAXAWX | REAR AXLE RATIO | 4.19 RATIO | 0 | 0 |
| | 18603Y | REAR SUSPENSION | SS40 MACK CAMELBACK MULTILEAF 40,000 lb, STANDARD DUTY | 0 | 1,687 |
| | XZXA1X | TRUNNION BUSHING | BRONZE | 0 | 36 |
| s | GWXABX | BOGIE SPREAD, REAR | 50" AXLE SPACING (BOGIE WHEELBASE) | 0 | 12 |
| | 2AAABX | SHOCK INSULATORS | URETHANE SHOCK INSULATORS, HEAVY DUTY, HIGHLY RECOMMENDED W/SS582 & SS652 REAR SUSP | 0 | 5 |
| S | XYXB1X | TRANSVERSE TORQUE RODS | TRANSVERSE TORQUE ROD (REAR AXLE ONLY) | 0 | 0 |
| S | 237037 | AUX.SPRING BRAKE QTY | AUX SPRING BRAKE QTY, 4 CHAMBERS | 0 | 20 |
| S | 253AA4 | BRAKES - REAR | MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2) | 0 | -35 |
| S | U4XA1X | BRAKE DRUMS - REAR | CASTIRON | 0 | 0 |
| S | U1AA1X | SLACK ADJUSTERS - REAR | HALDEX - AUTOMATIC (Total for QTY = 2) | 0 | 0 |
| | V1AB1X | REAR BRAKE CHAMBER SIZE | REAR SPRING BRAKE CHAMBERS 30/30 TYPE | 0 | 0 |
| | N5FAJX | BRAKE ORI REAR-MOST DRIVE AXLE | DRUM BRAKE CHAMBER ORIENTATION: High Mount - Rear of Axle - Chamber Down | 0 | 0 |
| S | 300AS0 | PARKING BRAKE CHAMBER | HALDEX "GOLD SEAL PLUS" (3" STROKE) BRAKE CHAMBERS (Total for QTY = 2) | 0 | 0 |
| S | 0LXI5X | HUBS - REAR | IRON PRESET REAR HUB W/INTEGRATED SPINDLE NUT | 0 | 318 |

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| | | | | WEIGH | T (LB) |
|------|--------------|--|---|-------|--------|
| REAL | R AXLE EQUIP | MENT | DESCRIPTION | FRONT | REAR |
| | 9GAABX | ABS SENSOR/CHANNEL OPTION | 6S/6M SYSTEM SENSING BOTH REAR AXLES W/WHEEL END SENSORS | 5 | 0 |
| s | 6980C8 | ANTILOCK BRAKE SYSTEM | MACK ROAD STABILITY ADV.BENDIX ABS/ATC/RSA W/YAW CNTRLW/MUD/SNOW SW; REQ-TRUCK APPL 6S6M | 0 | 0 |
| S | URXD1X | AIR SYSTEM VALVE VENDOR | BENDIX SWITCHES AND VALVES WHERE POSSIBLE | 0 | 0 |
| s | H9CA1X | TRACTION CONTROL DISABLE (CA in PC29 only) | AUTOMATIC TRACTION CONTROL (ATC) FULL DISABLE SWITCH | 0 | 0 |
| S | 3ZAA1X | SPRING BRAKE INVERSION VALVE | TRACTOR SPRING BRAKE INVERSION VALVE | 5 | 0 |

| | | | | WEIGH | IT (LB) |
|-------|----------|--|--|-------|---------|
| FRAME | EQUIPMEN | T/FUEL TANKS | DESCRIPTION | FRONT | REAR |
| | 271181 | WHEELBASE | 181" | 3 | 3 |
| | 374057 | AF (OVERHANG) | 57" | -6 | 168 |
| | MCE08E | FRAME RAILS & LINERS | 9.5 x 90 x 300mm - (0.37" x 3.54" x 11.81"); RBM 2,470,000 LB-IN | 0 | 0 |
| S | 5CAAAX | B <mark>OLT ON FRONT FRAME</mark> EXTENSION | 6" BOLT ON FRAME EXTENSION | 155 | -2 |
| S | A0XK1X | FRONT FRAME LENGTH | STANDARD BUMPER POSITION | 31 | -4 |
| S | 281AA5 | CROSSMEMBERS | BOC AND INTERMEDIATE(S) STEEL HD BACK-TO-BACK CHANNEL | 0 | 0 |
| S | Q5AA1X | REAR CROSSMEMBER OPTIONS | STEEL CLOSING REAR CROSSMEMBER | -8 | 49 |
| S | X6XA1X | TAPERED FRAME RAIL ENDS | WITHOUT TAPERED FRAME RAIL ENDS | 0 | 0 |
| S | 4DXM9X | FRONT BUMPER | EXTENDED-SWEPT BACK-STEEL | 0 | 0 |
| | 5FXA1X | RADIATOR GUARD | PLATE TYPE | 38 | -4 |
| S | 4ZAAAX | TRUNNION BRACKET | BASIC SOLUTION TRUNNION BRACKET, STD HEIGHT | 0 | 0 |
| S | 4EXG1X | TOWING DEVICE, FRONT | HOOKS | 0 | 0 |
| | 6PXD1X | TOWING DEVICE, REAR | HOOKS - FRAME MOUNTED | -6 | 27 |
| S | 2RAA1X | FUEL LEVEL SENDER UNIT, LIQUID | BASIC FUEL LEVEL SENDER MOUNTED ON L.H TANK | 0 | 0 |
| S | 288AF2 | FUEL TANK - LH | 66 GALLON (250 L) 22" ALUMINUM, SLEEVED D-SHAPED | 142 | 71 |
| S | 290AA1 | FUEL TANK - RH | W/O RH FUEL TANK | 0 | 0 |
| S | JHXB1X | FUEL LINE MATERIAL | BRAIDED HOSE | 5 | 3 |
| S | 8520C2 | FUEL FILLER NECK OPTIONS | WITHOUT FILLER NECK SCREEN, WITH NON-LOCKABLE FUEL TANK CAP | 0 | 0 |
| | 12AA1X | FUEL SYSTEM - DUAL | W/O FUEL LINE OPTION | 0 | 0 |
| S | Q2AA1X | CAB ACCESS STEPS | STANDARD 2 STEP CAB ACCESS | 0 | 0 |
| S | 223AA3 | STEPS (BRIGHT) - FUEL TANK | STANDARD FINISH STEPS AND BRIGHT FINISH STRAPS | 0 | 0 |

| | | | | WEIGH | IT (LB) |
|------|--------|-------------------------|---|-------|---------|
| AIR/ | BRAKE | | DESCRIPTION | FRONT | REAR |
| S | 141AA1 | RELOCATE AIR RESERVOIRS | W/O RELOCATED AIR TANKS | 0 | 0 |
| S | UWXC1X | AIR TANK DRAIN VALVE | MANUAL (PETCOCK) DRAIN VALVES ON ALL TANKS | 0 | 0 |
| S | U2XB1X | AIR RESERVOIRS | STEEL AIR TANK PAINTED CHASSIS COLOR | 0 | 0 |
| s | 3MBA1X | PARK BRAKE ALARM | ALARM TO SOUND WHEN DRIVER DOOR OPENED & PARKING BRAKE NOT ON | 0 | 0 |
| | 1JAABX | PARKING BRAKE VALVE | TWO (2) VALVE DUAL BRAKE SYSTEM - TRAILER SUPPLY AND TRACTOR-TRAILER PARK | 0 | 0 |

| | | | WEIGH | T (LB) |
|------------|---------------|--|-------|--------|
| ELECTRICAL | | DESCRIPTION | FRONT | REAR |
| 5RXA6X | BACK-UP ALARM | ECCO BACK-UP ALARM 575 CONSTANT SOUND LEVEL 107 dB | n | 3 |

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| | | | | WEIGH | IT (LB) |
|-------------|---|--|---|-------------------|-------------------|
| ELE | ECTRICAL | | DESCRIPTION | FRONT | REAF |
| | EAXD4X | DASH MOUNTED SWITCHES | SIX (6) ASSIGNABLE BODYBUILDER DASH SWITCHES (5 ON-OFF, 1 MOMENTARY) | 0 | 0 |
| S | 3120A2 | ROOF & SIDE MARKER LIGHTS | (5) TRUCKLITE CHROME BULLET ROOF MARKER & STANDARD MARKER / DIRECTIONAL SIGNAL | 0 | 0 |
| S | LJXCAX | HEADLAMP BULB TYPE | HEADLAMP BULB TYPE, LED, HEATED | 0 | 0 |
| S | LSXJ7X | DAYTIME RUNNING LIGHTS | W/OVERRIDE SWITCH, PARK BRAKE & ENGINE RUNNING ACTIVATED | 0 | 0 |
| S | X2AA1X | DRL OVERRIDE SPEED THRESHOLD | DRL OVERRIDE SPEED THRESHOLD 8 KMPH (5 MPH) | 0 | 0 |
| S | NEXC1X | TAIL LAMPS | INCANDESCENT TAIL LAMPS | 0 | 7 |
| | | | | WEIGH | IT (LB) |
| TR# | AILER CONNEC | TIONS | DESCRIPTION | WEIGH FRONT | |
| rr# | AILER CONNEC' WGXD1X | HAND CONTROL VALVE | DESCRIPTION W/O HAND CONTROL VALVE, WITH ELECTRONIC TRAILER BRAKE CONTROLLER | | |
| rr# | | AND REAL PROPERTY. | W/O HAND CONTROL VALVE, WITH ELECTRONIC TRAILER BRAKE | FRONT | REAF |
| rr <i>a</i> | WGXD1X | HAND CONTROL VALVE | W/O HAND CONTROL VALVE, WITH ELECTRONIC TRAILER BRAKE CONTROLLER | FRONT 0 | REAF |
| | WGXD1X WHXQ2X | HAND CONTROL VALVE TRAILER CONNECTIONS | W/O HAND CONTROL VALVE, WITH ELECTRONIC TRAILER BRAKE CONTROLLER TRAILER AIR BRAKE CONNECTIONS, END OF FRAME DUAL 7 PINS STD SAE TYPE, EOF (1) FOR TRLR W/ELEC BRAKES, | FRONT 0 23 | 0 23 |
| | WGXD1X WHXQ2X CA 3210M1 | HAND CONTROL VALVE TRAILER CONNECTIONS TRAILER ELECTRICAL RECEPT | W/O HAND CONTROL VALVE, WITH ELECTRONIC TRAILER BRAKE CONTROLLER TRAILER AIR BRAKE CONNECTIONS, END OF FRAME DUAL 7 PINS STD SAE TYPE, EOF (1) FOR TRLR W/ELEC BRAKES, (1) FOR TRLR W/AIR BRAKES | 0 23 0 3 | 0 23 0 0 |
| S | WGXD1X WHXQ2X CA 3210M1 3SAZ1X | HAND CONTROL VALVE TRAILER CONNECTIONS TRAILER ELECTRICAL RECEPT | W/O HAND CONTROL VALVE, WITH ELECTRONIC TRAILER BRAKE CONTROLLER TRAILER AIR BRAKE CONNECTIONS, END OF FRAME DUAL 7 PINS STD SAE TYPE, EOF (1) FOR TRLR W/ELEC BRAKES, (1) FOR TRLR W/AIR BRAKES OMIT TRAILER CONNECTORS HOLDER | 0 23 0 | 0 23 0 0 |
| | WGXD1X WHXQ2X CA 3210M1 3SAZ1X | HAND CONTROL VALVE TRAILER CONNECTIONS TRAILER ELECTRICAL RECEPT | W/O HAND CONTROL VALVE, WITH ELECTRONIC TRAILER BRAKE CONTROLLER TRAILER AIR BRAKE CONNECTIONS, END OF FRAME DUAL 7 PINS STD SAE TYPE, EOF (1) FOR TRLR W/ELEC BRAKES, (1) FOR TRLR W/AIR BRAKES | 0 23 0 3 | 0 23 0 0 |

| | | | | WEIGH | IGHT (LB) | |
|------|--------------|---------------------------------|-----------------------------|-------|-----------|--|
| SPEC | HALTY EQUIPM | MENT | DESCRIPTION | FRONT | REAR | |
| S | MCQ01Q | LANE SUPPORT SYSTEM (LSS) | WITHOUT LANE SUPPORT SYSTEM | 0 | 0 | |
| S | 2PEZ1X | DATA CAPTURE | WITHOUT DATA CAPTURE | 0 | 0 | |
| s | 1PAZ1X | SURVEILLANCE CAMERA OPTION (CA) | ^S WITHOUT CAMERA | 0 | 0 | |

FOR LOCAL INSTALLATION

BODY LINK III W/CAB PASS-THRU

| | | | | WEIGH | T (LB) |
|---|--------|--|--|-------|--------|
| | | THRU G) | DESCRIPTION | FRONT | REAR |
| S | 198048 | SPEEDOMETER -&- GAUGES - UNIT(s) OF MEASURE | U.S. UNITS (PREDOMINANT) | 0 | 0 |
| | E1AAAX | GAUGE OIL TEMP-REAR AXLE | REAR AXLE OIL TEMP GAUGE IN DID (DRIVER INFORMATION DISPLAY) | 0 | 0 |
| | I6AA1X | AUX.INCAB PNEUMATIC LINE | AUX. INCAB PNEUMATIC LINE CLEANOUT | 0 | 0 |
| S | 4AXC1X | CLIMATE UNIT | ELECTRONIC CONTROLLED CLIMATE CONTROL AIR CONDITION | 0 | 0 |
| S | EEXA1X | CUPHOLDER | CUPHOLDER | 0 | 0 |
| S | I0XAHX | DOME LAMP, INTERIOR | (4) DOME LAMPS - DOOR AND SWITCH ACTIVATED | 0 | 0 |
| s | 3XAA1X | DASH INDICATOR - LAMP BODY OUT OF POS | DASH MTD, INDICATOR BODY/HOIST UP "BODYBUILDER LAMP" | 0 | 0 |
| | 7860E6 | FIRE EXTINGUISHER | 5LB (ABC RATED) MOUNTED BETWEEN DRIVER SEAT BASE AND DOOR VALVE AIMED REARWARD | 9 | 0 |
| s | V8DZ1X | CARBON MONOXIDE DETECTION SYS | WITHOUT CARBON MONOXIDE DETECTION SYSTEM | 0 | 0 |
| S | 184AA2 | FLOOR COVERING | POLYURETHANE FLOOR MAT WITHOUT REMOVABLE INSERTS | 0 | 0 |

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BODY BUILDER INTERFACE



| | | | | WEIGH | T (LB) |
|---|--------|----------------------------------|--|-------|--------|
| | | THRU R) | DESCRIPTION | FRONT | REAR |
| S | C52082 | INSTRUMENT CLUSTER LANGUAGE | DEFAULT: ENGLISH, SPANISH, FRENCH | 0 | 0 |
| S | 20XA1X | KEY TYPES FOR DOORS | ALL CHASSIS KEYED AT RANDOM | 0 | 0 |
| s | 13AA1X | KEYLESS ENTRY | W/O ELECTRONIC KEYLESS ENTRY | 0 | 0 |
| s | E3XD1X | OVERHEAD CONSOLE | (2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB PROVISIONS | 0 | 0 |
| S | 1740D4 | RADIO/RADIO ACCOMMODATION | PREMIUM STEREO, AM/FM, MP3, WEATHER BAND, BLUETOOTH | 0 | 0 |
| S | 73AC1X | RADIO - ANTENNA | RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR | 0 | 0 |
| | 5BXB5X | RADIO ANTENNA - CB | 48" ANTENNA LEFT SIDE MIRROR MOUNTED | 0 | 0 |
| s | 1WAB1X | RADIO - BINDING POSTS FOR CB | POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE | 0 | 0 |
| S | 5CXB2X | AUDIO SPEAKER LOCATION | SPEAKER LOCATION, IN DOORS, MIDDLE HIGH SIDE PANEL | 0 | 0 |
| S | 5JXAIX | RADIO - CB RADIO MOUNTING | CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE | 0 | 0 |
| s | IFXB1X | REAR WALL STORAGE COMPARTMENT | STORAGE POUCH REAR | 5 | 0 |
| | 784054 | REFLECTOR KIT | EMERGENCY REFLECTOR KIT MOUNTED PARALLEL & CENTERED AGAINST BOC | 12 | 5 |

| | | | | WEIGH | T (LB) |
|--------|--------------|-----------------------------|--|-------|--------|
| CAB II | NTERIOR (S T | HRU Z) | DESCRIPTION | FRONT | REAR |
| S | 004014 | INTERIOR TRIM LEVELS | COMFORT TRIM PACKAGE, STEEL GRAY (Package 11A) | 0 | 0 |
| S | 196AAA | SEAT - DRIVER'S | MACK-AIR, HIGH BACK, 1 CHAMBER AIR LUMBAR | 71 | 16 |
| S | MAP05P | SEAT COVERING - DRIVER'S | DRIVER'S SEAT - BLENDED BLACK & GREY VINYL | 0 | 0 |
| | 197AA2 | SEAT - PASSENGER'S | MACK-FIXED, HIGH BACK, W/ STORAGE BOX | 40 | 9 |
| S | MAQ06Q | SEAT COVERING - PASSENGER'S | PASSENGER'S SEAT - BLENDED BLACK & GREY VINYL | 0 | 0 |
| | 3PXC1X | SEAT ARM REST(S) | INBOARD MOUNTED ARM REST, DRIVER'S & RIDER'S SEAT | 5 | 3 |
| s | 592092 | SEAT BELT(S) | LAP & SHOULDER (BOTH SEATS) CAB MOUNTED SHOULDER BELT ADJUSTMENT | 0 | 0 |
| S | D8XC1X | SEAT BELT WARNING INDICATOR | SEAT BELT REMINDER IN INSTRUMENT, WITH AUDIO | 0 | 0 |
| s | 2QAA1X | STARTER SWITCH | KEY TYPE | 0 | 0 |
| s | 161011 | STEERING WHEEL | 2 SPOKE URETHANE GRIP, SATIN ALUMINUM SPOKES, WITH SWITCHES | 0 | 0 |
| S | WSXBAX | WINDSHIELD TYPE | TWO PIECE WINDSHIELD | 0 | 0 |
| S | 145AA1 | CAB GLASS | TINTED WINDSHIELD & SIDE WINDOWS & REAR WINDOW (IF EQUIPPED) | 0 | 0 |
| s | JQXAAX | WINDSHIELD WASHER | W/O WINDSHIELD WASHER OPTION | 0 | 0 |
| S | 148AA3 | WINDSHIELD WIPERS | 2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE | 0 | 0 |

| | | | | WEIGH | IT (LB) |
|-----|----------|-----------------------------------|--|-------|---------|
| CAB | EXTERIOR | | DESCRIPTION | FRONT | REAR |
| S | MCY02Y | HOOD LATCH TYPE & FINISH | STRAP TYPE HOOD LATCH WITH BLACK FINISH | 0 | 0 |
| s | MCG0AG | EXTERIOR TRIM FINISH AND PACKAGES | GRANITE BRIGHT AIR INTAKE | 0 | 0 |
| s | 400010 | GRILLE | BLACK FINISH BARS W/BRIGHT FINISH SURROUND GRILL MOUNTED | 0 | 0 |
| S | 89AA1X | HOOD INSULATION | HOOD INSULATION | 0 | 0 |
| s | MCD03D | PASSENGER SIDE VISIBILITY OPTIONS | AUXILIARY WINDOW IN RH DOOR | 3 | 0 |
| S | 2KXB1X | FENDER EXTENSIONS | FENDER EXTENSIONS | 5 | 0 |
| | 5870B7 | GRAB HANDLES | BF EXTERIOR CAB GRAB HANDLES, BLACK GRAB HANDLE RH INTERIOR WINDSHIELD POST | 0 | 0 |
| S | 154AA2 | HORN - AIR | (1) MACK RECTANGULAR SINGLE TRUMPET | 5 | 0 |
| | | | | | |



| | | | | | MAEK |
|----------|-------------|---|--|-------|---------|
| | | | | WEIGH | IT (LB) |
| CAB E | XTERIOR | | DESCRIPTION | FRONT | REAR |
| S | LXXD1X | HORN - ELECTRICAL | DUAL TONE | 5 | 0 |
| i | 1520B2 | MIRRORS - EXTERIOR | FLAT MIRROR - POLISHED ALUMINUM FINSH, W/O LAMPS | 0 | 0 |
| 3 | 153AA2 | MIRRORS - CONVEX TYPE CAB DOORS | BRIGHT FINISH, LH & RH, 8" DIAMETER CONVEX | 0 | 0 |
| | 15H0BH | MIRROR - CONVEX HOOD & FENDER | VELVAC HOOD MOUNTED FIXED ARM DUAL VIEW W/ CONVEX MIRROR R.H. & L.H. | 7 | 0 |
| | | | | WEIGH | IT (LB) |
| AEROI | DYNAMIC DE | VICES | DESCRIPTION | FRONT | REAR |
| | 159AA1 | CAB AERODYNAMIC PACKAGES | WITHOUT CAB AERODYNAMIC DEVICES | 0 | 0 |
| 6 | MCM998 | FRONT CHASSIS AERODYNAMIC PACKAGE | WITHOUT FRONT AERODYNAMIC FAIRINGS | 0 | 0 |
| | | | | WEIGH | IT (LB) |
| /HEE! | LS & TIRES | | DESCRIPTION | FRONT | REAR |
| | 900460 | TIRES BRAND/TYPE - FRONT | 425/65R22.5 L BRIDGESTONE M864 (22800 lbs) (Total for QTY = 2) | 380 | 0 |
| | 531141 | WHEELS - FRONT | 22.5x12.25 MAXION 222204x WHITE POWDER COATED STEEL, 5.28" OFFSET, 5 HAND HOLE (Total for QTY = 2) | 221 | 0 |
| | 901AJ6 | TIRES BRAND/TYPE - REAR | 11R22.5 H BRIDGESTONE M799 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8) | 0 | 988 |
| | 3461E6 | WHEELS - REAR | 22.5x8.25 MAXION 91262x WHITE POWDER COAT STEEL, 6.62" OFFSET, 5 HAND HOLE (Total for QTY = 8) | 0 | 512 |
| | 15XABX | VALVE STEMS & CAPS | STANDARD VALVE STEMS AND CAPS | 0 | 0 |
| | мснозн | FRONT HUB/WHEEL TRIM | WITHOUT FRONT HUB/WHEEL TRIM | 0 | 0 |
| | MCI03I | REAR HUB/WHEEL TRIM | WITHOUT REAR HUB/WHEEL TRIM (Total for QTY = 2) | 0 | 0 |
| | 80AA1X | WHEEL NUT & FINISH - FRONT (CA |) WHEEL NUT BASIC FINISH, FRONT | 0 | 0 |
| | 3PBA1X | WHEEL NUT & FINISH - REAR (CA) | WHEEL NUT BASIC FINISH, REAR | 0 | 0 |
| | | | | WEIGH | T (LB) |
| омм | UNICATION S | SYSTEMS | DESCRIPTION | FRONT | REAR |
| | 3YAA1X | CO-PILOT - DISPLAY FEATURES ACCESS LEVEL | CO-PILOT DISPLAY, DRIVER ACCESS LEVEL 1 | 0 | 0 |
| | M30060 | TELEMATIC GATEWAY | TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC SERVICES | 0 | 0 |
| | | | i | WEIGH | T /I B) |
| NGIN | E ELECTRON | IICS | DESCRIPTION | FRONT | REAR |
| | WOXA1X | SHUTDOWN-ENG.OIL PRESSURE | OIL PRESSURE, ENGINE SHUTDOWN | 0 | 0 |
| | WIXAAX | SHUTDOWN-ENG.COOLANT LVL. | COOLANT LEVEL ENGINE SHUTDOWN | 0 | 0 |
| | WMXA1X | SHUTDOWN-ENG.COOLANT TEMP | | 0 | 0 |
| | K5XA2X | ENG /OIL TEMP SHUTDOWN | ENGINE PROTECTION (SHUTDOWN) | 0 | 0 |
| | C7AABX | FAN ENGAGEMENT TIME-A/C | ENG FAN CONTROL, A/C ON, TIME SETTING, 60 SEC | 0 | 0 |
| | K7XY3X | LOW IDLE ENGINE RPM | IDLE CONTROL, 700 RPM | 0 | 0 |
| | I1AAAX | LOW IDLE RPM ADJUSTEMENT | LOW IDLE RPM ADJUSTMENT | 0 | 0 |
| | X0AB0X | IDLE RPM UP W/LOW VOLTAGE | INCREASE 10 MINUTE MAXIMUM TIME | 0 | 0 |
| | M3CA1X | IDLE S/D ABS TAMPER CHECK | IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED | 0 | 0 |
| | B1ACAX | IDLE S/D WARNING TIME | 30 SEC IDLE S/D WARNING TIME | 0 | 0 |
| | A8AALX | IDLE S/D IF WARM-UP TEMP | 38C DEG (100F), WARM UP TEMP DELAY | 0 | 0 |
| | ₽RI€E | FI IST DATE | DIOTATION | | |

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| | | | | WEIGH | T (LB) |
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| ENGI | NE ELECTRON | lics | DESCRIPTION | FRONT | REAR |
| S | A4AAEX | IDLE S/D WARM-UP TIMER | 5 MIN. WARM UP TIME DELAY | 0 | 0 |
| S | A6AABX | IDLE S/D IF PTO ACTIVE | ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE | 0 | 0 |
| S | B0AAAX | IDLE SHUTDOWN IF POWER > LIMIT | ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT | 0 | 0 |
| S | M4CB1X | IDLE S/D OVERIDE %ENGINE LOAD | IDLE SHUTDOWN OVERIDE UPTO 20% ENGINE LOAD THRESHOLD | 0 | 0 |
| S | D2AAFX | AMBIENT TEMP MIN TRESHOLD | AMBIENT TEMP MIN TRESHOLD, 16 DEG C, (60 DEG F) | 0 | 0 |
| S | D3AAEX | AMBIENT TEMP MAX TRESHOLD | AMBIENT TEMP MAX TRESHOLD, 27 DEG C, (80 DEG F) | 0 | 0 |
| S | B6ABAX | EHT, MAX ENG SPEED | ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 1000 RPM | 0 | 0 |
| S | B4ADAX | EHT, MIN ENG SPEED | ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM | 0 | 0 |
| S | B9AABX | EHT, SPEED RAMP RATE | ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC | 0 | 0 |
| | L9CB1X | EHT HOLD TO NEAREST RPM | ELECTRONIC HAND THROTTLE HOLD TO NEAREST 50RPM | 0 | 0 |
| | M1CB1X | EHT ACCEL BUMP-UP RPM | ELECTRONIC HAND THROTTLE ACCEL "BUMP-UP" 50RPM | 0 | 0 |
| | M2CB1X | EHT DECEL BUMP-DOWN RPM | ELECTRONIC HAND THROTTLE DECEL "BUMP-DOWN" 50RPM | 0 | 0 |

| | | | WEIGHT (LB) | |
|--------------------------|---|--|-------------|------|
| TRANSMISSION ELECTRONICS | | DESCRIPTION | | REAR |
| 7790L9 | TRANSMISSION ELECTRONICS PACKAGE | DUMP/VOCATIONAL(223) - ALLOWS TRUCK TO BE PUT IN GEAR WITHOUT SERVICE BRAKE (FOR PAVING) | 0 | 0 |
| B1EC1X | TRANSM AUTO NEUTRAL ON P- BRAKE | ALLISON PARK BRAKE AUTO NEUTRAL-ALLOWS THE DRIVER TO ENGAGE GEAR PRIOR TO DISENGAGING THE PARK BRAKE | 0 | 0 |
| MAV0AV | TRANSMISSION ELECTRONIC SHIFTING PROPERTIES | FUELSENSE, FULL NEUTRAL AT STOP | 0 | 0 |

| | | | | WEIGH | T (LB) |
|---|--------|--|--|-------|--------|
| | | NICS | DESCRIPTION | FRONT | REAR |
| | JCXF1X | ROAD SPEED LIMIT (RSL) | 110 KM/H ROAD SPEED LIMITER (68MPH) | 0 | 0 |
| | Y3CD0X | PEDAL SPEED LIMITER | 110 KM/H PEDAL ROAD SPEED LIMITER (68MPH) | 0 | 0 |
| S | JDXA1X | CRUISE CONTROL | CRUISE CONTROL | 0 | 0 |
| | JFXLRX | CRUISE CONTROL, MAX SPEED | MAX CRUISE, 110 KPH (68 MPH) | 0 | 0 |
| | E3AAAX | CRUISE CONTROL MIN SPEED | MIN CRUISE, 16 KPH (10 MPH) | 0 | 0 |
| S | E5AACX | ENG BRAKE ENGAGE IN CRUISE | ENG BRK ENGAGE IN CRUISE, 3 MPH, ABOVE SET SPEED | 0 | 0 |
| | L2CB1X | PDLO ENGAGED VLS | POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 24KMH (15MPH) | 0 | 0 |
| | Q6FZ1X | DIFF LOCK SPEED LIMIT | WITHOUT DIFFERENTIAL LOCK ROAD SPEED LIMIT | 0 | 0 |
| | W5BD2X | MAXIMUM ENG SPEED AT 0 MPH | 1350 MAXIMUM ENGINE SPEED AT 0 MPH | 0 | 0 |
| S | A4BAAX | SPEED SENSOR TAMPERING DETECTION | DETECTION OF SPEED SENSOR TAMPERING, ENABLE | 0 | 0 |
| s | 8RXAEX | PWR.LIMIT LVLMPH SENSOR | ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED | 0 | 0 |
| S | 0PAZ1X | DRIVER PERFORMANCE & BONUS PARAMETERS | WITHOUT DRIVER PERFORMANCE PARAMETERS | 0 | 0 |
| s | G5AAHX | DATAMAX ENGINE OVERSPEED- COMPANY | ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM | 0 | 0 |
| S | G2AAGX | DATAMAX ENGINE OVERSPEED- FUEL | ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM | 0 | 0 |
| s | G4AAUX | DATAMAX VEHICLE OVERSPEED- ALL | VEHICLE OVERSPEED,ALL COND, TIME LOG IF ABOVE 75MPH (121KMH) | 0 | 0 |
| S | G3AAPX | DATAMAX VEHICLE OVERSPEED- FUEL | VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70MPH (113KMH) | 0 | 0 |
| S | G1AABX | DATAMAX IDLE LOG DELAY | ENGINE IDLE DELAY TO START LOG, 2 MIN | 0 | 0 |
| S | W9A01X | PERIODIC TRIP LOG DAY OF MONTH | PERIODIC TRIP LOG, DAY 1 OF THE MONTH | 0 | 0 |



| | | | | WEIGH | T (LB) |
|-----|-------------|------------------------------------|--|-------|--------|
| PTO | ELECTRONICS | | DESCRIPTION | FRONT | REAR |
| s | F3AAEX | PTO1 SINGLE SPEED CONTROL. RPM. | PTO 1ST, SINGLE SPEED SETTING, 1000 RPM | 0 | 0 |
| S | F5AABX | PTO 1ST, MAX ROAD SPEED | 1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH) | 0 | 0 |
| S | F6AABX | PTO 1ST, SPEED RAMP RATE | PTO 1ST, SPEED RAMP RATE 100 RPM/SEC | 0 | 0 |
| S | F7AAPX | PTO 1ST, MAX ENGINE SPEED | PTO 1ST, MAX ENGINE SPEED, 2100 RPM | 0 | 0 |
| S | F8AAGX | PTO 1ST, ROAD SPEED LIMIT | PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH) | 0 | 0 |
| S | F9AABX | PTO 1ST, MINIMUM ENGINE SPEED | PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM | 0 | 0 |
| S | H6AAEX | PTO 2ND, SINGLE SPEED SETTING | PTO 2ND, SINGLE SPEED SETTING, 1000 RPM | 0 | 0 |
| s | H0AABX | PTO 2ND, MAX ROAD SPEED | 2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH) | 0 | 0 |
| s | G9AABX | PTO 2ND, SPEED RAMP RATE | PTO 2ND, SPEED RAMP RATE 100 RPM/SEC | 0 | 0 |
| S | H7AANX | PTO 2ND, MAX ENGINE SPEED | PTO 2ND, MAX ENGINE SPEED, 2100 RPM | 0 | 0 |
| s | H5AAGX | PTO 2ND, ROAD SPEED LIMIT | PTO 2ND, ROAD SPEED LIMIT, 97 KMH (60 MPH) | 0 | 0 |
| s | G8AABX | PTO 2ND, MINIMUM ENGINE SPEED | PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM | 0 | 0 |

| 1 | | | | WEIGH | T (LB) |
|-------|--------|--|---|-------|--------|
| PAINT | | | DESCRIPTION | FRONT | REAR |
| S | 950AD0 | PAINT DESIGN | SINGLE COLOR | 0 | 0 |
| S | 924014 | PAINT TYPE | SOLID PAINT | 0 | 0 |
| S | 944AA7 | PAINT COLOR - FIRST COLOR | MACK WHITE; P9188 | 0 | 0 |
| s | 945998 | PAINT COLOR - SECOND COLOR | NO SECOND TRUCK COLOR PROVIDED; NO COLOR | 0 | 0 |
| s | 946998 | PAINT COLOR - THIRD COLOR | NO THIRD TRUCK COLOR PROVIDED; NO COLOR | 0 | 0 |
| S | 996AA3 | PAINT - CAB PAINT SYSTEM | PAINT - CAB, URETHANE CLEAR COAT | 0 | 0 |
| S | MPB944 | CAB COLOR | SAME AS FIRST COLOR - CAB | 0 | 0 |
| S | MPD944 | HOOD COLOR | SAME AS FIRST COLOR - HOOD | 0 | 0 |
| S | MPC998 | SLEEPER ROOF COLOR | WITHOUT SLEEPER ROOF COLOR | 0 | 0 |
| S | MPA998 | ROOF FAIRING COLOR | WITHOUT ROOF FAIRING | 0 | 0 |
| S | 951AA6 | CHASSIS RUNNING GEAR | MACK BLACK (URETHANE); P3036 | 0 | 0 |
| S | 958018 | BUMPER | PAINT BUMPER SAME COLOR AS CHASSIS RUNNING GEAR | 0 | 0 |
| s | 959019 | FUEL TANK - ***NO INVENTED VARIANTS ALLOWED in the FUEL TANK PAINT FAMILY*** | W/O OPTIONAL FUEL TANK PAINT | 0 | 0 |
| S | 962032 | HUBS & DRUMS-FRONT | SAME AS CHASSIS RUNNING GEAR | 0 | 0 |
| s | 963033 | HUBS & DRUMS-REAR | SAME AS CHASSIS RUNNING GEAR | 0 | 0 |

| | | | | WEIGH | IT (LB) |
|------------------------|--------|------------------------------------|--|-------|---------|
| CALCULATED CODES - KAX | | | DESCRIPTION | FRONT | REAR |
| S | 9JXA1X | PROPGALC SELECTION | YES, THE ORDER MUST BE CALCULATED | 0 | 0 |
| | D5EA1X | AUTO ROUTING & CLIPPING, CENTER | AUTOMATIC ROUTING & CLIPPING PLACEMENT, CENTER SECTION | 0 | 0 |

| | | | | | WEIGHT (LB) | |
|------|------------|------------------------|--|-------|-------------|--|
| BASE | WARRANTY 8 | PURCHASED COVERAGES | DESCRIPTION | FRONT | REAR | |
| S | 898003 | VEHICLE WARRANTY TYPE | HEAVY DUTY WARRANTY CLASSIFICATION | 0 | 0 | |
| S | M50030 | BASIC CHASSIS COVERAGE | HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (161,000 KM) | 0 | 0 | |
| | M8301T | EMISSION - SURCHARGE | EPA (only) for Mack MP7 / MP8 Diesel | 0 | 0 | |

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| | | | | WEIGH | II (LB) |
|----------|---|---|--|-------------------------------|-----------------------|
| BASI | E WARRANTY | & PURCHASED COVERAGES | DESCRIPTION | FRONT | REAF |
| S | M51021 | ENGINE WARRANTY | MACK MP7/MP8 BASE ENGINE COVERAGE 24 MONTHS / 250,000 MILES (402,000KM) | 0 | 0 |
| 6 | M52022 | EMISSION COMPONENT COVERAGE | US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE 60 MONTHS/100,000 MILES (161,000 KM) | 0 | 0 |
| | M540B4 | TRANSMISSION WARRANTY | ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data | 0 | 0 |
| ; | M550G7 | CARRIER & AXLE HOUSING WARRANTY | STANDARD MACK HEAVY DUTY COVERAGE 60 MONTHS / 500,000 (804,672 KM) | 0 | 0 |
| ; | M56026 | AIR CONDITIONING WARRANTY | AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12 MONTHS UNLIMITED MILEAGE | 0 | 0 |
| 3 | M57027 | CHASSIS TOWING WARRANTY | STANDARD NORMAL / HEAVY DUTY CHASSIS TOWING 90 DAYS OR 5,000 MILES | 0 | 0 |
| | | | STANDARD MACK ENGINE TOWING COVERAGE 24 | | |
| S | M58028 | ENGINE TOWING WARRANTY | MONTHS/250,000 MILES (402,000 KM) | 0 | 0 |
| | M58028 | | | WEIGH | T (LB) |
| ONI | | | MONTHS/250,000 MILES (402,000 KM) | WEIGH FRONT | T (LB) |
| ONI | NECTED SERV | ICES | MONTHS/250,000 MILES (402,000 KM) DESCRIPTION | WEIGH | T (LB) |
| CONI | NECTED SERV S03011 | ICES MACK INTEGRATED UPTIME MACK CONNECT LOCATION & | MONTHS/250,000 MILES (402,000 KM) DESCRIPTION MACK INTEGRATED UPTIME - 24 MONTHS | WEIGH FRONT 0 | T (LB) REAF |
| CONI | NECTED SERV S03011 S04011 | ICES MACK INTEGRATED UPTIME MACK CONNECT LOCATION & REPORTING | MONTHS/250,000 MILES (402,000 KM) DESCRIPTION MACK INTEGRATED UPTIME - 24 MONTHS MACK CONNECT LOCATION & REPORTING - 24 MONTHS | WEIGH FRONT 0 0 | T (LB) REAF 0 |
| | NECTED SERV S03011 S04011 S05010 | ICES MACK INTEGRATED UPTIME MACK CONNECT LOCATION & REPORTING FLEET INTEGRATION | MONTHS/250,000 MILES (402,000 KM) DESCRIPTION MACK INTEGRATED UPTIME - 24 MONTHS MACK CONNECT LOCATION & REPORTING - 24 MONTHS WITHOUT FLEET INTEGRATION | WEIGH FRONT 0 0 0 | T (LB) REAR 0 0 0 |
| CONI | S03011 S04011 S05010 S06400 | ICES MACK INTEGRATED UPTIME MACK CONNECT LOCATION & REPORTING FLEET INTEGRATION | MONTHS/250,000 MILES (402,000 KM) DESCRIPTION MACK INTEGRATED UPTIME - 24 MONTHS MACK CONNECT LOCATION & REPORTING - 24 MONTHS WITHOUT FLEET INTEGRATION | WEIGH FRONT 0 0 0 | T (LB) REAR 0 0 0 |

PERFORMANCE - PREDICTOR



| Inputs Required | DWGRef | Inputs | LOM |
|----------------------|--------|--|-------------------|
| Vehicle Type | | Aero Muscle Hood - Roof Fairing (0.60) | MPH |
| Performance Level | | >67 MPH / >108KPH | MPH |
| Frontal Area | | 110.0 | FEET ² |
| Accessory Power Loss | | 11.0 | HP |

| | VEHICLE SPEC | CIFICATION SUI | MMARY | | 77.7 | |
|--|-------------------------------------|--|--------------------|--------------------------------|----------------|--|
| Model | Model GRANITE 64BR | | | ANITE 64BR | | |
| Gross Combination Weight | | 65,000 LB (29.5 TONNES) GROSS COMBINATION WEIGHT | | | HT | |
| Vehicle Application | ON-OFF HIGHWAY, STARTING GRADES<18% | | | | | |
| Body/Trailer Type | | DUMP TRUCK CONCRETE LOADING AND / OR UNLOADING SURFACE | | | | |
| Loading/Unloading Surface Type | | | | | E | |
| Engine | | MP7-395C MACK 395HP @ 1450-1700 RPM (PEAK) 1950 RPM (GOUS'21 | | | /) 1550 LB-FT | |
| Peak Power | HP | | 395.0 | @ 1 450 - 1 7 00 | | |
| Peak Torque | Newton Meters | | 218 | 57 @ 1050 | | |
| Transmission | | 4000 RDS 6 S | PEED ALLISON GEN 6 | W/PROGNOSTICS, WITH PTO | O PROVISION | |
| Rear Axle | | 40000‡ | (18100kg) MACK S40 | OOR FABRICATED STEEL HOU | SING | |
| Rear Axle Ratio | | | | 4.19 | | |
| Rear Tire | | 11R: | 22.5 H BRIDGESTONE | M799 (24020 lbs) (DRIVE ONL |) (DRIVE ONLY) | |
| Tire Revolutions per | Mile | | | 496 | | |
| Total Reduction | | | | 2.72 | | |
| | ALCULATED PE | RFORMANCE S | UMMARY | | E. Lui de | |
| | Speed | UOM | RPM | Desired / Recommended Value | Status | |
| Engine RPM @ 65 MPH | 65.2 | MPH | 1468 | | | |
| Engine RPM @ Desired Cruise Speed | 68.4 | MPH | 1538 | 1075 - 1275 rpm | CHECKI | |
| Engine RPM @ Road Speed Limit (RSL) | 68.4 | MPH | 1538 | < 1950 rpm | OK | |
| Sweet Spot Cruise Speed Range in Top Gear | 47.8 - 56.7 | MPH | 1075 - 1275 | | | |
| Top Gear Speed Range | 44.4 - 86.7 | MPH | 1000 - 1950 | 65.2 MPH | OK | |
| Minimum Practical Speed In Reverse | 3.6 | MPH | 600 | | | |
| Maximum Practical Speed in Reverse | 11.7 | MPH | 1950 | | | |
| Minimum Practical Speed In Lowest Forward Gear | 2.1 | MPH | 600 | | | |
| Maximum Practical Speed In Lowest Forward Gear | 6.7 | MPH | 1950 | | | |

248.4 / 271.2

248.4 / 271.2

427.3 / 458.0

Wheel HP Required at (65 MPH) Cruise Speed

Wheel HP Required at (75 MPH) Road Speed Limit

Wheel HP Required at (92 MPH) Top Speed

HP

HP

HP

PERFORMANCE - PREDICTOR (cont.)



| | VEHICLE SPECIFICATION SUMMAR | Y | |
|---|--|--|-------|
| Gradeability | | Recommended Min. Gradeability in Top Gear | |
| Maximum in Top Gear (Concrete) | 1.6% | 1.9% | CHECK |
| Maximum in Top Gear (Asphalt) | 1.4% | 1.9% | GHECK |
| Startability | | Recommended Min. Startability | 200 |
| In Lowest Gear | 18.2% | 18.0% | OK |
| Loading/Unloading Surface Type | CONCRETE LOADING AND / OR UNLOADING SURFACE | | |
| | | Recommended Speed on 1.5% Grade | |
| Speed on a 1.5% Grade (Concrete) | 47.8 MPH | >67 MPH | CHEON |
| | @1075 rpm in 7th gear | PL5 | |
| Suggested Value for Gear Down Vehicle Speed | RSL - 10 | | |
| Driveability Rating | Status | | |
| 100% Max Power available after shift | CAUTION! | | |
| >95% Very Good >90% Acceptable | | | |
| Performance Level | Recommended Speed on 1.5% Grade | Min. Gradeability in Top Gear | - |
| PL5 - High Performance | >67 MPH | 1.9% | |
| PL4 - Performance | 61 - 67 MPH | 1.7% | |
| PL3 - Economy | 54 - 60 MPH | 1.5% | |
| PL2 - Fleet / Construction | 47 - 53 MPH | 1.3% | |
| PL1 - Heavy Haul | 40 - 46 MPH | 1.1% | |



RPM at 65 MPH



RPM at Cruise Speed



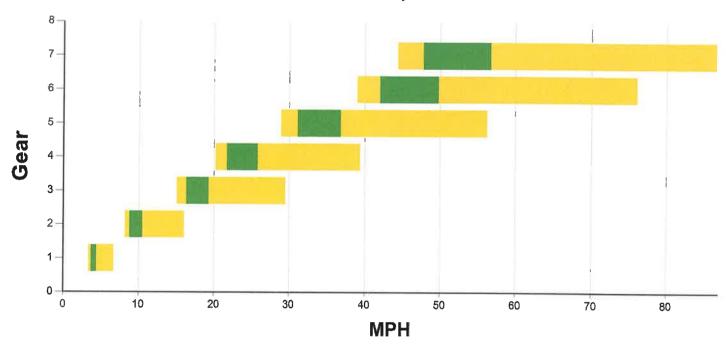




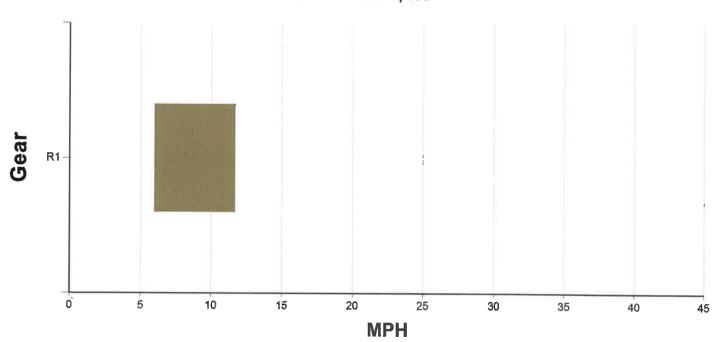
| | MPH | RPM |
|--------------------------|------|---------|
| Minimun of Engine Range | 44.4 | 1000.00 |
| Minimum of Economy Range | 47.8 | 1075.00 |
| Cruise Speed | 68.4 | 1537.87 |
| Maximum of Economy Range | 56.7 | 1275.00 |
| Road Speed Limit | 68.4 | 1537.87 |
| Maximum of Engine Range | 86.7 | 1950.00 |





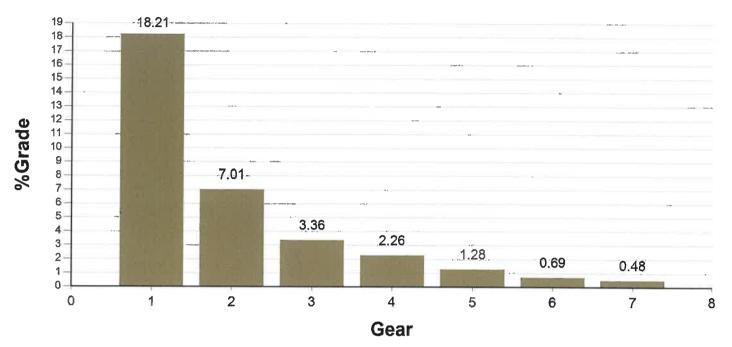


Reverse Geared Speed

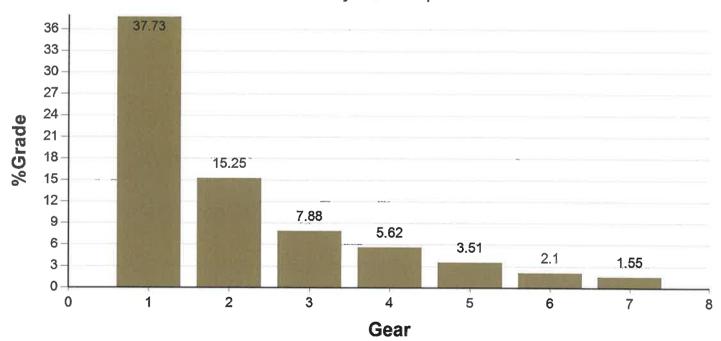






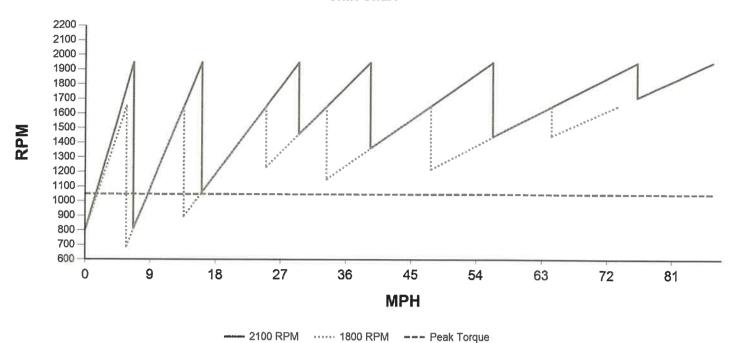


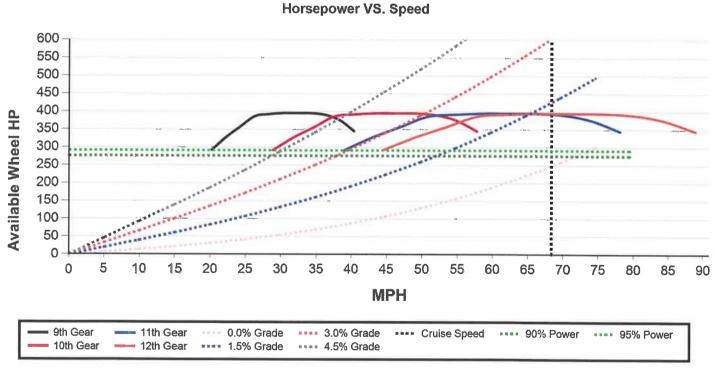
Gradeability at Max Torque





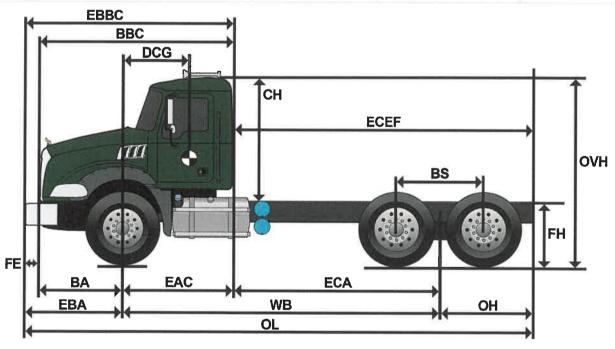






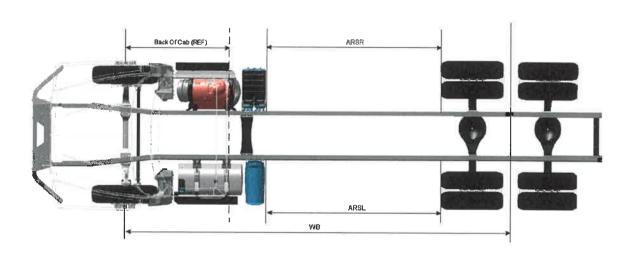


| VEHICLE S | PECIFICATION/CALCUI | ATED PERFORMANCE S | UMMARY | |
|------------------------------------|---------------------|--------------------|--------|--------|
| Description | Sales Code | Dwg Ref | Length | UOM |
| Front Frame Extension | N/A | FE | 6.1 | INCHES |
| Bumper to Front Axle | N/A | BA | 51.1 | INCHES |
| Eff. Bumper to Front Axle | N/A | N/A | 57.2 | INCHES |
| Wheelbase | N/A | WB | 180.5 | INCHES |
| Rear Overhang | N/A | ОН | 57.5 | INCHES |
| Overall Length | N/A | OL | 295.2 | INCHES |
| Bumper to Back of Cab | N/A | BBC | 116.5 | INCHES |
| Eff. Bumper to Back of Cab | N/A | EBBC | 122.6 | INCHES |
| Eff. Cab to Rear Axle | N/A | ECA | 115.0 | INCHES |
| Eff. Front Axle to Back of Cab | N/A | EAC | 65.5 | INCHES |
| Eff. Cab to End of Frame | N/A | ECEF | 172.5 | INCHES |
| Unladen Frame Height | N/A | FH | 43.2 | INCHES |
| Cab Height | N/A | СН | 70.9 | INCHES |
| Overall Height | N/A | OVH | 117.2 | INCHES |
| Driver CG | N/A | DCG | 47.2 | INCHES |
| 50" AXLE SPACING (BOGIE WHEELBASE) | GWXABX | BS | 50.0 | INCHES |





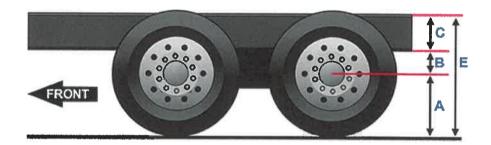
| VEHICLE SPEC | IFICATION/CALCULATED P | ERFORMANCE S | UMMARY | |
|---|------------------------|--------------|----------------|-----------------|
| Description | Sales Code | Dwg Ref | Left Value(jn) | Right Value(in) |
| Wheelbase | N/A | WB | 180.5 | 180.5 |
| Available Rail Space Right | N/A | ARSR | N/A | 40.6 |
| Available Rail Space Left | N/A | ARSL | 55.5 | N/A |
| Eff. Front Axle to Back of Cab | N/A | REF | 65.5 | 65.5 |
| Front Axle To Fender | CDX23X | N/A | 27.0 | 27.0 |
| Cleartech One Unit | DPF04F | N/A | 0.0 | 50.0 |
| Battery Box | 393AB0 | N/A | 0.0 | 17.0 |
| 66 GALLON (250 L) 22" ALUMINUM, SLEEVED D- SHAPED / W/O RH FUEL TANK | 288AF2 / 290AA1 | N/A | 44.6 | 0.0 |
| Ad-Blue Tank | DF10O1 | N/A | 7.5 | 0.0 |
| Drive Tire Radius | 901AJ6 | N/A | 21.0 | 21.0 |



Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact the variation of the image, thus an image may not populate. Calculations are approximate to a tolerance of ± 4 inches due to component mounting variation. Certain chassis component options are NOT represented in the Top View image, such as, but not exclusive to, Front Frame Extensions, Fuel Water Separators, Air Dryers, PTOs, Fifth Wheels, Chassis Fairings, Toolboxes, Trailer Connections. For further information on these items and their respective locations on your specification, please refer to the data sheets associated with those items in the configurator.

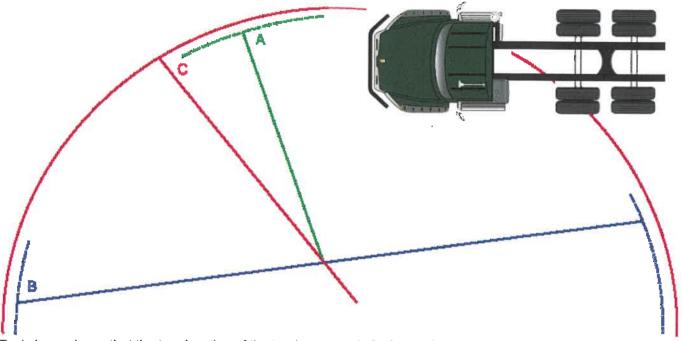


| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY | | | | | | |
|--|------------|---------|---------|-------|--------|--|
| | | | | Rear | | |
| Description | Sales Code | Dwg Ref | Unladen | Laden | NOM | |
| Tire Radius | 901AJ6 | А | 21.0 | 19.5 | INCHES | |
| Suspension Height | 18603Y | В | 10.4 | 9.3 | INCHES | |
| Frame Depth | YBXGAX | С | 11.8 | 11.8 | INCHES | |
| Total Height | N/A | E | 43.2 | 40.6 | INCHES | |





| VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY | | | | | |
|--|------------|---------|--------|------|--|
| Description | Sales Code | Dwg Ref | Length | UOM | |
| SAE Turning Radius | N/A | A* | 29.0 | FEET | |
| Adjusted Turning Radius | N/A | Α | 32.4 | FEET | |
| Curb-to-Curb Diameter | N/A | В | 66.2 | FEET | |
| Wall-to-Wall Diameter | N/A | С | 70.6 | FEET | |



Tests have shown that the true location of the turning center is further to the rear than midway between drive axle sets (where applicable)

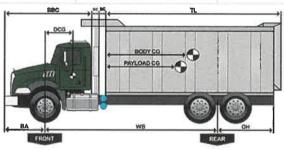
The actual location of the turning center depends on:

- · Whether the drive tire equipment is single or dual.
- The overall load distribution for the vehicle (front/rear, between drive axles) in a loaded condition
- Manufacturing tolerances within the steering components



| inputs Required | DWGRef | Inputs | MOL |
|--|---------|--------|--------|
| Driver(s) & Equipment Weight | | 201 | LB |
| Total Body Length | TL | 16.4 | FEET |
| Body Tare Weight | | 3501 | LB |
| Front of Body to Body CG | BODY CG | 96.0 | INCHES |
| Additional Clearance from Back of Exhaust to Front of Body | BC | 6.0 | INCHES |

| | VEHICL | E SPECIFICATION SUMMAP | RY . | |
|---------------------------|-------------|------------------------|--------|--------|
| Description | Description | Dwg Ref | Length | UOM |
| Bumper to Front Axle | N/A | BA | 51.1 | INCHES |
| Wheelbase | N/A | WB | 180.5 | INCHES |
| Rear Overhang | N/A | ОН | 57.5 | INCHES |
| Bumper to Back of Cab | N/A | BBC | 116.5 | INCHES |
| BOC Exhaust Space | 130AD7 | N/A | 0.0 | INCHES |
| Driver CG from Front Axle | N/A | DCG | 47.2 | INCHES |



| CALCULATED PERFORMANCE SUMMARY | | | | | | |
|--------------------------------|------------|------------------|-------|-----|--|--|
| Tare Weights | Front Axle | Rear Axle (s) | Total | NOM | | |
| Chassis | 10106 | 7302 | 17408 | LB | | |
| Driver(s) & Equipment Weight | 149 | 53 | 201 | LB | | |
| Fuel | 280 | 172 | 452 | LB | | |
| Body/Trailer | 252 | 3249 | 3501 | LB | | |
| Total Tare | 10786 | 10775 | 21561 | LB | | |
| Payloads | | | | | | |
| First Body Payload | 2623 | 33817 | 36440 | LB | | |
| Total - Lift Axles Down | 13409 | 44592 | 58000 | LB | | |
| GAWR | 18000 | 40000 | 65035 | LB | | |



| Sub-Category | Sales Code | Sales Code Description | Value | UOM |
|------------------|------------|---|-------|-----|
| Front Axle | 240AA2 | 18000# (8200 KG) MACK FXL18 STRAIGHT SPINDLE/UNITIZED BEARINGS | 18000 | LB |
| Front Suspension | 244AB1 | MACK TAPERLEAF 18000# (8200 KG) GROUND LOAD RATING, EQUAL BIAS | 18000 | LB |
| Front Tires | 900460 | 425/65R22.5 L BRIDGESTONE M864 (22800 lbs) | 22801 | LB |
| Front Wheels | 531141 | 22.5x12.25 MAXION 222204x WHITE POWDER COATED STEEL, 5.28" OFFSET, 5 HAND HOLE | 22796 | LB |
| | | Front GAWR | 18000 | LB |
| Rear Axle | 268055 | 40000# (18100kg) MACK S400R FABRICATED STEEL HOUSING | 40000 | LB |
| Rear Suspension | 18603Y | SS40 MACK CAMELBACK MULTILEAF 40,000 lb, STANDARD DUTY | 40000 | LB |
| Rear Tires | 901AJ6 | 11R22.5 H BRIDGESTONE M799 (24020 lbs) (DRIVE ONLY) | 48041 | LB |
| Rear Wheels | 3461E6 | 22.5x8.25 MAXION 91262x WHITE POWDER COAT STEEL, 6.62" OFFSET, 5 HAND HOLE | 59200 | LB |
| | | Rear GAWR | 40000 | LB |
| | | | | |
| | | Truck GVWR | 58000 | LB |
| | | Gross Combination Weight Rating | 65035 | LB |
| | | | | |
| | | Tax Value GVWR (USA FET Only) | 58000 | LB |

MACK



Mack Trucks www.macktrucks.com

Rowe Truck Equipme P.O. Box 386, 102 W. Otterbein, IN 47970 Phone: 765-583-4461

Rowe Truck Equipment, Inc. P.O. Box 386, 102 W. 1st Street

Fax: 765-583-2907 www.rowetruck.com

QUOTATION

41549 Page 1 of 2

CUSTOMER: M & K Quality Truck Sales

CONTACT: Logan Stammen ADDRESS: 1401 Harding Ct.

Indianapolis IN 46217

Quote Number: 41549 **Quote Date:** 11/6/2024 Quote valid until: 11/21/2024

PHONE: 616-292-2205 FAX: 616-583-3068 Cell: 317-503-9621

E-Mail: Logna.stammen@mktruck.com

Salesperson: April Brown

| Make: | MACK | Model: | GR64B | Year: 2026 | Single/Du | al: | |
|--------------|---|--|---|------------------------------|-----------|------------------|------------------|
| Cab to Axle: | 115" | Wheelbase: | 181" | Trans: Allison 4500 | VIN: | | |
| QUANTITY | DESCRI | PTION | | | | | |
| 1 | 14' Dump Sides, Flo Crossmer 48" Sides 54" 6-Par Heavy D 63120 Cy | D Body Door and Ends are mberless nel Tailgate uty Pump 2.5" Cylinder 6" 3-Stag eft Front - Inside | ge 120" Stroke | | | | |
| | Hoses, Fi | rops 1 Oil Tank 1 tings and Conti Rear Stop/Turn arness le | rol Tower 1 & <mark>Tail Lights - L</mark> | .E.D. | | | |
| | | | Color or Number C | ode:ilgate, Air Tailgate Kit | | | |
| | | | 12" (Cirlce One) | | | | |
| | | | on Make and Moosmission Extra Cos | del Number Required st | | = | |
| | Make | | | | | | |
| 1 | | tric Series Sprin | ng Upper Mount T yle (Circle One) | arp System: Installed | | \$0.00 | \$0.00 |
| 1 1 | 6" Oval A Rearward | mber Strobe Li Facing in Corn | | ab Shield | | \$0.00 \$0.00 | \$0.00 \$0.00 |
| 1 | 1 1/2 Side | Boards | | | | \$0.00 | \$0.00 |

QUOTATION 41549

Page 2 of 2

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PHONE: 616-292-2205

FAX: 616-583-3068 Cell: 317-503-9621

E-Mail: Logna.stammen@mktruck.com

| | L-wan. Logia.stammen@mktiuck.com | | |
|---|--|--------|--------|
| 1 | Sludge Locks (Pair): Installed | \$0.00 | \$0.00 |
| 1 | Handrail - Special Driver Side w/ Double Step. | \$0.00 | \$0.00 |
| 1 | Hot Shift PTO: for Automatic Transmissions | \$0.00 | \$0.00 |
| 1 | Tipping Valve w/ Fittings, Hoses & Mounting Plates for M-Drive, I-Shift, | \$0.00 | \$0.00 |
| | Ultrashift or Allison Automatic Transmissions | | |

Customer must fill out the information below before the order can be processed.

| Accepted by: | |
|--------------|--|
| Date: | |
| P.O. number: | |

- Quote valid for 15 days.
- Terms are Due upon Receipt unless prior credit arrangements are made.
- If ordered to match cab color, exact color match is not guaranteed.

Notes:

STANDARD CHASSIS WARRANTY CERTIFICATE



Mack Trucks warrants certain individual components of the new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods as specified, provided all Mack Trucks' maintenance and inspection requirements are followed. See your local authorized Mack dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations, and exclusions as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE REVERSE SIDE OF THIS CERTIFICATE.
THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to Model Year 2023 trucks, AN, GR, LR, PI, TE models, manufactured by Mack Trucks, operated in the United States and Canada with EPA 17 and newer engines. Specific coverage is based on the application and weight class as described in the following chart:

| | Standard NORMAL DUTY | Standard HEAVY DUTY | Standard SEVERE DUTY | | |
|--|--|--|--|--|--|
| Typical Vocations | Line / Long Haul, Short Haul, or Pickup & Delivery | Heavy Line Haul, Construction, Refuse, Fire or Rescue Service | Heavy Construction, Heavy Refuse, Off-Road, Heavy Haul, Mining, Logging, or Oil Field | | |
| Weight Class Qualifications | Vehicle must have GVWR ≤ 63,000 lbs. (≤ 28 metric tons) or GCWR ≤ 110,000 lbs. (≤ 50 mt.) | Vehicle must have GVWR ≤ 80,000 lbs. (≤ 36 mt.) or GCWR ≤ 143,000 lbs. (≤ 65 mt.) | Vehicle must have GAWR > 52,000 lbs. (> 23.5 mt.) or GVWR > 80,000 lbs. (> 36 mt.) or | | |
| Basic Coverage * | 12 months <i>or</i> 100,000 miles (160,934 km) | 12 months <i>or</i> 100,000 miles (160,934 km) | GCWR > 143,000 lbs. (> 65 mt.) 12 months or 100,000 miles (160,934 km) | | |
| Chassis Towing | Towing/Road Service coverage is limited to 90 first, limited to the truck (less trailer) and to a seminack Trucks service center. Charges in excess service is contacted and approve | days or 5,000 miles (8047 km), whichever occurs single tow per incident to the nearest authorized of \$1,000 are not covered unless Mack OneCall™ additional amounts prior to tow. | Not Applicable | | |
| Air Conditioning | Air conditioning (sea | led system only) is covered for 12 months with no | mileage limitation. | | |
| Engine / Emission | Not covered under this warranty certificate. S | ee respective engine manufacturer's warranty certi | ficate. See paragraph 19 on reverse side. | | |
| Transmission, Driveline, Rear Axle, Front Non-Drive Steer Axle | 36 months or 350,0 Covered Components are as follows: • Manual Transmission – Transmission assembly • Rear Axle – Differential carrier assembly & axle • Front Non-Drive Steer Axle – Axle beam, steering | 100 miles (563,270 km) Driveline – Bearings, hangers & shafts housing ng knuckle, & tie rod | 12 months <i>or</i> 100,000 miles (160,934 km) | | |
| | paragraph 19 on reverse side. | | | | |
| Mack Carrier & Axle Housing | 60 months <i>or</i> 750,000 miles (1,207,008 km) | 60 manths or 500,000 miles (804,672 km) | 24 months <i>or</i> 100,000 miles (160,934 km) | | |
| <i>m</i> DRIVE™ Transmission | 60 months or 750,000 miles (1,207,008 km) mDRIVE™ and mDRIVE™ HD | mDRIVE™: 36 months or 250,000 miles (402,336 km); mDRIVE™ HD: 36 months with no mileage limitation | 12 months or 100,000 miles (160,934 km); mDRIVE™ HD: 24 months with no mileage limitation | | |
| <i>m</i> DRIVE™ Clutch | 36 months <i>or</i> 350,000 miles (563,270 km) <i>m</i> DRIVE™ and <i>m</i> DRIVE™ HD | 36 months <i>or</i> 250,000 miles (402,336 km) <i>m</i> DRIVE™ and <i>m</i> DRIVE™ HD | mDRIVE™: 12 months or 100,000 miles (160,934 km); mDRIVE™ HD: 24 months or 250,000 miles (402,336 km) | | |
| <i>m</i> DRIVE™ Transmission Towing | whichever occurs first, limited to the truck (less trailer), a Mack Trucks service center. Charges in excess of \$1, | es is covered to 24 months or 250,000 miles (402,336 km) and to a single tow per incident to the nearest authorized 000 are not covered unless Mack OneCall™ service is ditional amounts prior to tow. | Not Applicable | | |
| Trunnion Bracket | Limited to Trunnion Bracket & Spindle, | 10 miles (482,803 km) Suspension Trunnion (Except Bushings) | 12 months <i>or</i> 100,000 miles (160,934 km) (same restrictions as Normal & Heavy) | | |
| Cab Structure | 60 months <i>or</i> 500,000 miles (804,672 km) | 24 months <i>or</i> 200,000 miles (321,869 km) | 12 months <i>or</i> 100,000 miles (160,934 km) | | |
| Internal Cab Corrosion | 60 months <i>or</i> 500,000 miles (804,672 km) | 60 months or 500,000 miles (804,672 km) | 60 months <i>or</i> 500,000 miles (804,672 km) | | |
| | 60 months or | erforated from the inside to the outside. See paragr | | | |
| Frame Rail / Crossmembers | 500,000 miles (804,672 km) Anthem/Pinnacle Models Only: 72 months <i>or</i> 750,000 miles (1,207,008 km) | 36 months or 300,000 miles (482,803 km) Granite Model only: 60 months or 500,000 miles (804,672 km) | 12 months <i>or</i> 100,000 miles (160,934 km) | | |
| | LIFE OF VEHICLE: Mack Trucks, warrants to the first purchaser of this vehicle for purposes other than resale, and to each subsequent purchaser that this vehicle was designed, built and equipped to conform, at the time of sale to such first purchaser, with all applicable U.S. EPA noise contropy and the vehicle particular part, component, or system of the vehicle. Defects in the design, assembly, or any part, component or system of the vehicle, which at the time of sale to such first purchaser, caused noise emission levels to exceed Federa standards, are covered by this warranty for the life of the vehicle. EXCLUSIONS: Failures which arise as a result of tampering rather than from defects in the design, assembly, or any part, components, or system of the vehicle are not covered by this warranty. | | | | |

^{*}Covered for 30 Days: Fluorescent Lights or Ballast, Light Bulbs, Fuses, Wiper Blades, and All Filters (oil, fuel, air, etc.). Covered for 90 Days: Loose Fasteners, Leaking Fittings, or Loose Hose Clamps.

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS – Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

- REPAIR: In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
- 2. DAMAGES: Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered.
- 3. PROGRESSIVE DAMAGE: Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
- 4. APPLICATION: The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
- ALTERATIONS: Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
- 6. NON-ORIGINAL EQUIPMENT: Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
- 7. MAINTENANCE AND PARTS CONSUMED: Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
- 8. PERFORMANCE COMPLAINTS: Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
- 9. WEAROUT: Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
- NON-GENUINE PARTS: Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
- 11. ODOMETER READING: Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
- 12. ACCESS TO INFORMATION: Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
- 13. LABOR: Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
- 14. MISC. EXPENSE: Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
- 15. ADDITIONAL COMPONENTS: Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.
- 16. TOWING: Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
- SUSPENSION PARTS: Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered
- 18. CAB STRUCTURE AND CORROSION: Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
- 19. VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS: Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
- 20. OIL CONSUMPTION: Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, or 402,000 kilometers.
- 21. ENVIRONMENTAL DAMAGE: Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
- 22. ALIGNMENT: Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
- 23. GLASS: Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
- 24. TIRES: Except as expressly provided in warranty certificates covering Green House Gas (GHG) components, tires are covered only under warranties provided by the tire manufacturer.
- 25. CHANGES: Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS,

MACK

Mack Trucks, Inc. Post Office Box 26259 7825 National Service Road Greensboro, North Carolina 27409

September 2021 Page 2 of 2

STANDARD ENGINE WARRANTY CERTIFICATE



(EPA 17 and Newer, Model Year 2023)

Mack Trucks warrants certain individual components of each new Mack MP®7 and MP8 EPA 17 and newer emission engine in a new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks' maintenance and inspection requirements are followed. See your local authorized Mack dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from the date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations and exclusions as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE FOLLOWING PAGES OF THIS CERTIFICATE.
THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to only new Mack MP®7 and MP8 engines meeting EPA 17 and newer emission requirements in new Mack trucks operated in the United States and Canada installed in Model Year 2023 trucks.

Standard Mack Engine Components Coverage: 24 months or 250,000 miles (402,336 km), whichever occurs first, unless otherwise noted.

Major Components Coverage: 60 months or 500,000 miles (804,672 km), whichever occurs first.

USE OF IMPROPER OR UNAPPROVED FUEL OR ENGINE OIL WILL VOID THE ENGINE AND AFTERTREATMENT SYSTEM (DIESEL PARTICULATE FILTER) WARRANTIES. EPA 17 AND NEWER EMISSION MACK ENGINES <u>REQUIRE</u> THE USE OF MACK SPECIFICATION EOS 4.5 HIGH PERFORMANCE DIESEL ENGINE OIL AND ULTRA LOW SULFUR DIESEL (ULSD) FUEL.

USE OF FLUIDS OTHER THAN API CERTIFIED DIESEL EXHAUST FLUID (DEF) WILL COMPROMISE AFTERTREATMENT SYSTEM PERFORMANCE, INCREASE EMISSIONS, AND MAY IMPACT THIS TRUCK'S PRODUCT WARRANTIES.

SEE FOLLOWING TABLE FOR SPECIFIC COVERAGES:

| Covered Standard Components List: 24 Months or 250,000 miles (402,336 km) | Qualifications and Limitations |
|--|--|
| Air Compressor | Includes: Sprocket and Mounting Bolts |
| Bearings | All internally lubricated bearings and bushings only. |
| Camshaft, Caps, and Bolts | Failures resulting from the valve and injector adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered. |
| Connecting Rods, Caps, and Bolts | |
| Coolant Duct Cover | |
| Crankcase Ventilation Assembly | |
| Crankshaft | |
| Crankshaft Hub | |
| Cylinder Block | Includes: Casting, Main Caps, and Bolts |
| Cylinder Block Heater | |
| Cylinder Head | Includes: Assembly, Casting, Bolts, Plugs, and Sleeves |
| Diesel Particulate Filter Assembly (DPF) / Diesel Oxidation Catalyst (DOC) / Selective Catalytic Reduction (SCR) | Includes: Aftertreatment Hydrocarbon Injector (AHI), Aftertreatment Wiring Hamess, Aftertreatment Control Module, Diffuser Pipe (AHI Mounting), Fuel Lines to AHI Injector, AHI Shutoff Valve, AHI Fuel Pressure Sensor, Pre-Catalyst Temperature Sensor, Post-Catalyst Temperature Sensor, Downstream DPF Temperature Sensor, DPF Differential Pressure Sensor, Particulate Matter (PM) Sensor, SCR Assembly, DEF Pump Assembly (Pump Reverting Valve, Pump Pressure Sensor), DEF Injector, DEF Tank Heating Control Valve, NOx (SCR Inlet and Outlet) Sensor, Downstream SCR Temperature Sensor (T4) |
| EGR (Exhaust Gas Recirculation) Components | All components including Clamps, Control Valve, Controller Area Network (CAN) EGR Valve, Cooler, Fittings, Gaskets, Mixer, Pipes, Charge Air Cooler Temperature Out (CAC Out) Sensor, EGR Venturi Differential Pressure Sensor, EGR Wiring Harness. |
| Electrical EA Harness Supplied with Engine | From EECU to sensors and injectors and actuators |
| Engine Electronic Control Unit (EECU) | |
| Engine Brake Mechanism - PowerLeash™ | Factory installed only. Includes: PowerLeash™ Control Valve and PowerLeash™ Rocker Arms. Turbo Compound (TC) engine: Closed Loop Butterfly (CLB) |

Continued on Page 2...

| Covered Standard Engine Components List: 24 Months or 250,000 miles (402,336 km) | Qualifications and Limitations |
|--|--|
| Exhaust Manifold | Includes: Casting, Joint Seals, Rings, and Wraps |
| Fan Belt Tensioner Assemblies and Bracket | Excludes: Fan Belts |
| Flywheel | Includes: Housing and Ring Gear |
| Fuel Filter Housing | Excludes: Filters |
| Fuel Injection System | Includes: Injectors and Common Rail Assembly (Electronic Fuel Pressure Regulat and Pressure Sensor) |
| Fuel Transfer Pump | |
| Gaskets, Seals, O Rings, and Silicon Sealant | |
| Gears | All internally lubricated gears only (Timing and Idler gears) |
| Hoses and Lines Supplied with Engine | Fluid carrying: Engine to engine mounted |
| Idler Pulleys | The sampling and to origine mounted |
| Intake Manifold and Throttle Assembly | |
| Ladder Frame | |
| Oil Cooler | Engine Oil Cooler only |
| Oil Fill Tube and Cap | and the social strip |
| Oil Filter Housing | Excludes: Oil Filters. Includes: All control valves and sensors contained in the C Filter Housing. |
| Oil Pan | Third Hodding. |
| Oil Pump | |
| Piston Assembly | Includes: Cooler Nozzles, Liners, Pistons, and Rings |
| Pneumatic Control System | TC Engine: Air Valve Unit, Buffer Valve Unit, and Check Valve |
| Power Steering Pump | To Engine. All valve onit, bullet valve offit, and offect valve |
| Pre-Heater | Factory installed only. Includes: Preheat Relay, Terminals, and Power Cables |
| PTO Drive / REPTO (Rear Engine Mounted PTO Drive) | Factory installed only. Includes: Preneat Relay, Terminals, and Power Cables Factory installed only. Excludes: All Pumps or Driven Gears |
| Rocker Arm Assembly and Shafts | |
| Nockel Aim Assembly and Sharts | Includes: PowerLeash™ Rockers and Non-PowerLeash™ Rockers. Failure resulting from the valve and injector adjustments not being maintained properly ar NOT covered. Normal maintenance adjustments are NOT covered. |
| Sensors (On Engine) | Includes: Temperature-Coolant, Crankcase Pressure, EGR Temperature, Engine C Level/Temperature, Engine Oil Pressure, Engine Timing/Speed (Flywheel Temperature & Pressure – Inlet Manifold Air Sensor; Piston Cooling Jet Pressure |
| Starter Motor | |
| Telematics Gateway | TGW Unit and Associated Hardware (Antenna, Cab Overlay Harness, Antenn Cables |
| Thermostat (Coolant) | Includes: Thermostat Side Cover |
| Timing Gear Cover and Plate | |
| Towing | Towing/Road Service on warrantable engine failures is covered to 24 months of 250,000 miles (402 336 km) whichever occurs first, limited to the truck (less trailer and to a single tow per incident to the nearest authorized Mack service center Charges in excess of \$1,000.00 are not covered unless Mack OneCall™ service is contacted and approves additional amounts prior to tow. |
| Turbocharger Assembly | Includes: VGT Actuator Module and Turbo Compound (TC) Assembly, if included |
| Valve Assembly | Includes: Guides, Keepers, Rotators, Seats, Springs, and Valves. Failures resultin from the valve adjustments not being maintained properly are NOT covered. Normal maintenance adjustments are NOT covered. |
| Valve Cover | |
| Valve Yokes (Bridge) and Pins | Failures resulting from the valve adjustments not being maintained properly are NO covered. Normal maintenance adjustments are NOT covered. |
| Vibration Dampers and Bolts | |
| Water Pump Assembly | |
| Covered Major Engine Components List: 60 Months or 500,000 miles (804,672 km) | Qualifications and Limitations |
| Camshaft, Caps, and Bolts | Failures resulting from the valve & injector adjustments not being maintaine properly are NOT covered. Normal maintenance adjustments are NOT covered. |
| Connecting Rods, Caps, and Bolts Crankshaft Forging | Covered. |
| Cylinder Block Casting, Main Caps, and Bolts | |
| Cylinder Head Casting and Bolts | |
| xhaust Manifold Casting | |
| Flywheel Housing | |
| Gears | All internally lubricated gears only (Timing and Idler Gears) |
| ntake Manifold Housing | |
| adder Frame | |
| | |
| Chermostat Housing Fiming Gear Mounting Plate | Excludes: Timing Gear Cover |

Continued on Page 3...

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS - Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

- REPAIR: In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part.
- DAMAGES: Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not
- PROGRESSIVE DAMAGE: Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of noncovered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate
- APPLICATION: The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
- ALTERATIONS: Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered
- NON-ORIGINAL EQUIPMENT: Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
- MAINTENANCE AND PARTS CONSUMED: Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
- PERFORMANCE COMPLAINTS: Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.
- WEAROUT: Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
- NON-GENUINE PARTS: Any failure of any vehicle, component or part caused by the by use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered
- 11. ODOMETER READING: Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been
- disconnected, disabled, or altered, may not be covered by this warranty.

 ACCESS TO INFORMATION: Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage. LABOR: Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part, Labor for overtime and/or shift differential
- is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.

 MISC. EXPENSE: Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other
- miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
- ADDITIONAL COMPONENTS: Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components. TOWING: Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not covered.
- SUSPENSION PARTS: Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered
- CAB STRUCTURE AND CORROSION: Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.

 VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS: Vendor engines, Allison automatic transmissions
- and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements,
- 20. OIL CONSUMPTION: Before a claim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, or 402,000 kilometers.
- ENVIRONMENTAL DAMAGE: Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome, which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
- 22. ALIGNMENT: Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
- 23. GLASS: Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established
- 24. TIRES: Except as expressly provided in warranty certificates covering Green House Gas (GHG) components, tires are covered only under warranties provided by the tire manufacturer. 25. CHANGES: Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES. MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS,

Mack Trucks, Inc. Post Office Box 26259 7825 National Service Road Greensboro, North Carolina 27409

September 2021

STANDARD EMISSIONS COMPONENT WARRANTY CERTIFICATE

(EPA 17 and Newer, Model Year 2023)



Mack Trucks warrants certain individual components of the Emission Control system in a new Mack truck equipped with a new Mack MP®7 and MP8 EPA 17 and newer emission engine to be free from defects in material and workmanship under normal use and service up to the periods specified, provided all Mack Trucks' maintenance and inspection requirements are followed. See your local authorized Mack Trucks dealer for recommended maintenance and inspection procedures. All warranty periods are calculated from the date in service of the vehicle. All coverage is 100% for parts and labor subject to the qualifications, limitations and exclusions as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE FOLLOWING PAGES OF THIS CERTIFICATE.
THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to new Mack MP®7 and MP8 engines meeting EPA 17 and newer emission requirements in new Mack trucks operated in the United States and Canada.

Emission Control System Warranty: Engine emission controls manufactured by Mack Trucks are warranted to 60 months or 100,000 miles (160,934 km), whichever first occurs. Vehicles sold for use in California and other opt-in states, with a CARB emission label certification, are covered for 60 months or 350,000 miles (563,270 km).

USE OF IMPROPER OR UNAPPROVED FUEL OR ENGINE OIL WILL VOID THE ENGINE AND AFTERTREATMENT SYSTEM (DIESEL PARTICULATE FILTER) WARRANTIES. MACK ENGINES <u>REQUIRE</u> THE USE OF MACK SPECIFICATION EOS 4.5 HIGH PERFORMANCE DIESEL ENGINE OIL AND ULTRA LOW SULFUR DIESEL (ULSD) FUEL,

USE OF FLUIDS OTHER THAN API CERTIFIED DIESEL EXHAUST FLUID (DEF) WILL COMPROMISE AFTERTREATMENT SYSTEM PERFORMANCE, INCREASE EMISSIONS, AND MAY IMPACT THIS TRUCK'S PRODUCT WARRANTIES.

SEE FOLLOWING TABLE FOR SPECIFIC COVERAGES:

| Covered Emission Components List: EPA: 60 Months or 100,000 Miles (160,934 km) CARB: 60 Months or 350,000 Miles (563,270 km) | Qualifications and Limitations |
|--|---|
| Aftertreatment Control Module (ACM) | Includes: Software and Dataset |
| Aftertreatment Diesel Particulate Filter (DPF) with Aftertreatment Diesel Oxidation Catalyst (DOC) | Includes: DPF Module (Substrate), DOC Module (Substrate), Aftertreatment Hydrocarbon Injector (AHI), AHI Shutoff Valve, AHI Fuel Pressure Sensor, AHI Fuel Line, Diesel Dosing Valve, Pre-Catalyst Temperature Sensor, Post-Catalyst Temperature Sensor, DPF Differential Pressure Sensor |
| Aftertreatment Wiring Harness (DPF) | |
| Aftertreatment Wiring Harness (SCR) | Includes: Jumper to AHI Pressure Regulator, ACM Power Supply, Heater NOx Care, DEF Tank |
| Charge Air Cooler (CAC) | |
| Common Rail Assembly | Includes: Rail, Rail Injectors, Rail Pressure Release Valve |
| Controller Area Network (CAN) EGR Valve | |
| Crankcase Ventilation (CCV) Assembly | |
| Crankcase Tubing & Hoses Before Separator | |
| EGR Assembly | Includes: Cooler, Mixer/Mixing Chamber, EGR Cooler to Intake Manifold (cold side) Piping, EGR Piping Exhaust Manifold to EGR Cooler (hot side), EGR Valve, EGR Valve Control, EGR Venturi, Intake Manifold Heater, Diffuser Pipe, Intake Throttle Valve |
| Engine Electronic Control Unit (EECU) | Includes: Software and Dataset. For the failure to be covered_the failure must affect the emissions of the unit. |
| Engine Turbocharger Assembly: Variable Geometry Turbo (VGT) or Turbo Compound (TC) | Includes: Variable Geometry Turbo (VGT) Actuator |
| Exhaust Gas Piping | From Turbocharger to After-treatment System |
| Fuel Filter Module | Includes: Fuel Filter Housing, Diesel Low Pressure Pump, Fuel Pressure Regulating Valve |
| Injectors | |
| Instrument Cluster | Limited to Repair of Microprocessor, MIL, Real Time Clock, DEF Gauge, DEF Lamp |

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| Covered Emission Components List: EPA: 60 Months or 100,000 Miles (160,934 km) CARB: 60 Months or 350,000 Miles (563,270 km) | Qualifications and Limitations |
|---|---|
| Intake Manifold Throttle Assembly | |
| Pre-Heater | |
| Selective Catalytic Reduction (SCR) | SCR - SCR Assembly: SCR Module (if applicable) (Substrate); Insulation Blanket (where applicable); DEF Pump Assembly: Pump Reverting Valve, Pump Pressure Sensor; DEF Injector; DEF Heated Hoses; DEF Tank; DEF Tank Heating Control Valve; DEF Tank Heater / Sender: DEF Tank Temperature Sensor, DEF Level Sensor, DEF Tank Heater; Downstream SCR Temperature Sensor; DEF Quality Sensor |
| Sensor, NOx (SCR Inlet and Outlet) | |
| Sensor, Ambient Air Temperature | |
| Sensor, Charge Air Cooler Outlet Temperature | |
| Sensor, Downstream SCR Temperature (T4) | |
| Sensor, EGR Temperature | |
| Sensor, EGR Valve Position | |
| Sensor, EGR Venturi Differential Pressure | |
| Sensor, Engine Timing / Speed (Flywheel) | |
| Sensor, Engine Oil Level/Temperature | |
| Sensor, Engine Oil Pressure | |
| Sensor, Engine Position (Camshaft) | |
| Sensor, Exhaust Manifold Pressure | |
| Sensor, Fuel Pressure (Common Rail) | |
| Sensor, Fuel Temperature | |
| Sensor, Particulate Matter (PM) | |
| Sensor, Temperature – Coolant (Engine) | |
| Sensor, Temperature & Pressure – Inlet Manifold Air | |
| Sensor, Temperature - Exhaust Manifold | |
| Sensor, Turbo Compressor Outlet | |
| Sensor, Turbocharger Speed | |
| Thermostat, Coolant | |
| Vehicle Electronic Control Unit (VECU) | Includes: Software and Dataset. For the failure to be covered, the failure must affect the emissions of the unit. |
| Water Pump Assembly, Engine Coolant Wiring Harness, Engine Electrical EA Harness Supplied with Engine | |
| GHG Covered Component | |
| 24 Months or 24,000 Miles (38,624 km) Tires | Qualifications and Limitations Drive and steer tires only are warranted to be free from defects in materials and workmanship for the first 24 months or 24,000 miles (38 624 km) of vehicle operation, whichever occurs first, and applying only to the first set of tires on the vehicle when delivered to the ultimate purchaser. Emissions related warranty coverage only, refer to the specific tire manufacturer's warranty policy for other term lengths. |
| GHG Covered Components: EPA: 60 Months or 100,000 Miles (160,934 km) (Only those vehicles certified as "Highway Tractors" according to the requirements of Chapter 40 of the Code of Federal Regulations, Part 1037) | Qualifications and Limitations |
| Exterior Components | Limited to: Chassis Fairings, Ground Effect Extensions, Roof Deflectors, Cab Side Deflectors, Adjustable Roof Extensions, Side Deflector Extensions, Bumper Deflectors, A-Pillar Deflectors, Factory Installed Aerodynamic Devices |
| Air Conditioning Components | Limited to: A/C Compressor, A/C Condenser, A/C Pressure Switches and Transducers, Bunk Climate Unit, Hoses (Compressor to Condenser, Condense to Drier, Drier to Climate Unit, Climate Unit to Compressor, Bunk Climate Unit), Main Climate Unit, Receiver Drier |

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THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

LIMITATIONS - Mack Trucks' obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. The defective parts or assemblies replaced shall become the property of Mack Trucks. Warranty repairs performed by an authorized Mack dealer in accordance with the terms of the warranty set forth herein are free of charge. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

EXCLUSIONS:

- REPAIR: In the case of acknowledged defective Covered Parts, exchange with factory remanufactured parts may occur. Warranty repairs do not constitute an extension of any warranty period for any vehicle, component or part,
- DAMAGES: Damages due to misapplication, misuse, accidents, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, failure to follow Mack Trucks' recommended inspection, maintenance, and service procedures, and improper or insufficient maintenance services are not covered
- PROGRESSIVE DAMAGE: Damages due to failure of operator to take reasonable precautions to mitigate damage are not covered. Damages to a Covered Part due to failure of non-covered part are not covered. Coverage is limited to failure of a Covered Part directly causing failure of a non-covered part, where reasonable precautions were taken to mitigate damages.
- APPLICATION: The selling dealer is responsible for designating the correct application and/or specification for a vehicle sold to a customer. Damages due to misapplication, including but not limited to, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle, component or part for a purpose for which it was not intended are not covered.
- ALTERATIONS: Any vehicle, component or part repaired, altered, or inspected in any way, so as to adversely affect, in Mack Trucks' sole judgment, its stability, durability, or reliability, is not covered.
- NON-ORIGINAL EQUIPMENT: Any part of the vehicle that fails, malfunctions, or does not perform as a result of improper conversion or installation of bodies or equipment by other manufacturers or suppliers is not covered.
- MAINTENANCE AND PARTS CONSUMED: Maintenance and inspection requirements found in the Operator's Manuals and service manuals/instructions, including, but not limited to, engine tune-up, fuel system cleaning, replacement of lubricants and filter elements, adjustments of the engine injection pump/transmission/brakes/linkages, as well as diagnosis, test time and all other adjustments must be followed and are not covered. Parts which are normally consumed or worn out during the vehicle's normal service life. and customarily replaced during usual maintenance service, including, but not limited to, mud flaps and brackets, brake linings, clutch brake, and clutch linings, are not covered.
- PERFORMANCE COMPLAINTS: Performance complaints are not covered (including, but not limited to, low power and/or poor fuel economy). Coverage is limited to defects in material and workmanship of a Covered Part directly causing the performance issue.

 WEAROUT: Mack Trucks does not cover normal wear of Covered Parts. Failures attributable to wear are excluded. For example and without limitation, the wear rate of parts in
- any engine or transmission, and especially those parts within the combustion area and clutch housing area, will vary depending upon operating conditions and environment. Conditions, such as load, trailer configuration, road speed and road conditions, as well as the quality of fuel, lubrication oil, and all filters bear a direct relationship to the wear rate and resulting life of parts. Depending upon the severity of these various conditions, parts wear and resulting failure could occur within the time limit of the coverage.
- 10. NON-GENUINE PARTS: Any failure of any vehicle, component or part caused by the use of parts and accessories, or major assemblies and exchange units, which do not meet factory standards is not covered.
- 11. ODOMETER READING: Any vehicle on which the actual mileage or hours cannot readily be determined, or on which the odometer, hour meter, or Electronic Control Unit has been disconnected, disabled, or altered, may not be covered by this warranty.
- 12. ACCESS TO INFORMATION: Owner must allow Mack Trucks full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty
- 13. LABOR: Labor to remove and install a Covered Part is included only if a Mack Trucks authorized dealer originally installed the Covered Part. Labor for overtime and/or shift differential is not covered. Excessive labor for a warrantable repair due to the prior installation of equipment or body is not covered.
- MISC. EXPENSE: Meals, lodging, communications charges, travel time and expense, loss of cargo, downtime, loss of profit/revenue, rental vehicles, driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
- ADDITIONAL COMPONENTS: Components or parts that are not installed by Mack Trucks, including winches, power take-offs, dumper, mixer and refuse assemblies, hoists and bodies or other special equipment are not covered. During a warrantable repair, additional time to remove any customer installed components will not be covered under warranty. Mack Trucks' factory manufacturing records will be determinative as to factory installed components.

 16. TOWING: Unless expressly provided in this Warranty Certificate, expenses for towing or road service are not covered. Failures caused by improper towing technique are not
- SUSPENSION PARTS: Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered
- CAB STRUCTURE AND CORROSION: Cab structural defects or cab corrosion that occurs in areas of the cab that previously were damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
- VENDOR ENGINES, ALLISON AUTOMATIC TRANSMISSIONS and ALTERNATE FUEL STORAGE AND DELIVERY SYSTEMS: Vendor engines, Allison automatic transmissions and alternate fuel (CNG/LNG/DME) fuel storage/delivery components used in Mack trucks are warranted by their respective manufacturers and not by Mack Trucks, Inc. Refer to the manufacturers' warranty statements.
- 20. OIL CONSUMPTION: Before a daim based upon excessive oil consumption will be considered, the owner must provide proof that all recommended maintenance has been performed and submit adequate documentation to show that oil consumption exceeds Mack Trucks' published standards. Under no circumstances will warranty pay for repairs related to excessive oil consumption after the earlier of 24 months, 250,000 miles, or 402,000 kilometers.
- ENVIRONMENTAL DAMAGE: Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been affected by exposure to the elements or chemical influence including, but not limited to, road salt/chemicals, industrial fall-out or the use of improper cleaners, polishes and/or waxes are not covered.
- 22. ALIGNMENT: Alignment of axle(s), balance of tires, changing of axle camber, caster, toe and thrust angle are not covered.
- 23. GLASS: Glass breakage and scratches are not covered unless physical proof of manufacturing responsibility is established.
- TIRES: Except as expressly provided in warranty certificates covering Green House Gas (GHG) components, tires are covered only under warranties provided by the tire
- 25. CHANGES: Mack Trucks reserves the right to make any changes in design, or make additions to or upon its products, without incurring any obligations to install the same changes on vehicles previously built.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF THE MANUFACTURER INCLUDING, WITHOUT LIMITATION OF THE FOREGOING, CONSEQUENTIAL, INDIRECT, AND INCIDENTAL DAMAGES, MANUFACTURER NEITHER ASSUMES NOT AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF VEHICLES, COMPONENTS OR PARTS.

> IAL Mack Trucks, Inc. Post Office Box 26259 7825 National Service Road Greensboro, North Carolina 27409

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PALMER - KENWORTH OF INDIANAPOLIS EAST (1081) 9704 E 30TH STREET INDIANAPOLIS, Indiana 46229 CITY OF NOBLESVILLE 197 WASHINGTON STREET NOBLESVILLE, Indiana 46060 United States of America

Eric Wiselogle

Cell Phone: 317-354-3343 Office Phone: 317-247-8421

Email: EWiselogle@palmertrucks.com

JONATHON MIRGEAUX

Office Phone: 317-776-6353

Email: jmirgeaux@noblesville.in.us

Vehicle Summary

| | Unit | Chassis | |
|-----------------------|------------------------------|--|-------|
| Model: | T480 Series Conventional | Fr Axle Load (lbs): | 16000 |
| Type: | FULL TRUCK | Rr Axle Load (lbs): | 40000 |
| Description 1: | T480 | G. ♥ .W. (lbs): | 66000 |
| Description 2: | | • • | |
| | Application | Road Conditions: | |
| Intended Serv.: | Snowplow: Vehicles which are | Class A (Highway) | 90 |
| | configured | | |
| Commodity: | Gravel/crushed rock/sand | Class B (Hwy/Mtn) | 8 |
| | | Class C (Off-Hwy) | 2 |
| | Body | Class D (Off-Road) | 0 |
| Type: | End dump | Maximum Grade: | 6 |
| Length (ft): | 16 | Wheelbase (in): | 206 |
| Height (ft): | 13 | Overhang (in): | 67 |
| Max Laden Weight | 4000 | Fr Axle to BOC (in): | 69.5 |
| (lbs): | | Oals to Auto (fa): | 400.5 |
| | Total Inc. | Cab to Axle (in): | 136.5 |
| | Trailer | Cab to EOF (in): | 203.5 |
| No. of Trailer Axles: | 0 | Overall Comb. Length (in): | 313 |
| Type: | ٥ | Special Box | |
| Length (ft): | 0 | Special Req. U.S. Domestic registry, 50-state. | |
| Height (ft): | 0 | O.S. Domestic registry, 30-state. | |
| Kingpin Inset (in): | 0 | | |
| Corner Radius (in): | 0 | | |
| | Restrictions | | |
| Length (ft): | 75 | | |
| Width (in): | 102 | | |
| Height (ft): | 13.5 | | |
| | | | |
| Approved by: | | Date: | |
| | | | |

Note: All sales are F.O.B. designated plant of manufacture.

Price Level: January 1, 2022

Deal: T480

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|---------------|-------------|---|---------|-------|
| Model | | | | |
| 0000480 | S | T480 Series Conventional | 111,895 | 10,38 |
| 0071000 | 0 | T480 Aero Hood | 0 | |
| 0080050 | S | CARB Idle Emissions Reduction Feature for PX-7 and PX-9 | 35 | |
| 0090162 | 0 | T480 Tandem | 0 | |
| 0098414 | 0 | State of Registry: Indiana | 0 | |
| Engine 8 | & Equi | ipment | | |
| 0130205 | O | With Turbo Exhaust Brake (VGT Brake). N09420 C333 0Reserve Speed Limit Offset (N09380 C334 0Maximum Cycle Distance (N202 N09360 C400 252Reserve Speed Function Reset N09200 C399 120Standard Maximum Speed Limit N09400 C401 10Maximum Active Distance (N20 N09220 C402 0Expiration Distance (N207) N09540 C395 0Expiration Distance (N209) N09260 C121 68Max Vehicle Speed in Top Gea N09440 C234 NOEngine Protection Shtdwn N09460 C231 NOGear Down Protection N09580 C133 5Idle Shtdwn Time N09680 C233 NOIdle Shtdwn Override N09480 C132 1400Max PTO Speed N09300 C128 68Max Cruise Control Speed N09500 C239 NOCruise Control Auto Resume N09520 C238 NOAuto Engine Brake in Cruise N09780 C190 80High Ambient Temperature Thr N09740 C188 40Low Ambient Temperature Thre N09760 C189 60Intermediate Ambient Tempera N09720 C382 YESEnable Hot Ambient Automatic N09600 C396 YESEnable Impending Shutdown N09640 C206 35Engine Load Threshold N09560 C225 YESEnable Idle Shutdown Park Br | 1,571 | |
| 1000046 | 0 | EPA Emissions Warranty Engine | 0 | |
| 1000151 | S | PremierSpec | 0 | |
| 1000244 | 0 | Gearing Analysis: Balance power/economy blend results. | 0 | |
| 1000256 | 0 | Customer's Typical Operating Spd: 64 MPH | 0 | |
| 1000684 | | Effective VSL Setting NA | 0 | |

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|---------------|-------------|---|---------|-------|
| 1000858 | 0 | Engine Idle Shutdown Timer Disabled | 0 | |
| 1000859 | S | Enable EIST Ambient Temp Overrule | 0 | |
| 1000891 | | Eff EIST NA Expiration Miles Use only with MX and Cummins engines | 0 | (|
| 1002060 | S | Air compressor: Cummins 18.7 CFM For Cummins And PACCAR PX engines. | 0 | (|
| 1041399 | S | Air Cleaner: MD Composite Engine Mounted | 0 | (|
| 1105231 | 0 | Fan Hub: Horton On/Off for PX-9 or L9N | 0 | (|
| 1121231 | 0 | Cooling Module: 2.1M MD - Aero Hood 1000 Square Inches | 0 | 0 |
| 1247234 | S | EXH: 2021 RH Under DPF/SCR with RH SOC Vertical tailpipe. Not 2.1m high roof sleepers | 411 | 0 |
| 1290124 | S | Tailpipe: 5 in. single 24 in. 45 degree curved. | 143 | 6 |
| 1321102 | S | Fuel Filter: PACCAR 2.1M MD for PX-7 or PX-9 Fuel/water separator for 2021 and later engines. | 0 | 0 |
| 1321205 | S | Run Aid:Fuel Heat *For Fuel Filter | 41 | 0 |
| 1321305 | S | Start Aid:12V Heat *For Fuel Filter | 22 | 1 |
| 1500029 | S | Kenworth Fuel Cooler Required for Cummins engines with a single fuel tank. Required for PACCAR MX-13 engine with a single fuel tank and stationary use: High RPM, low vehicle speed, sustained for longer than 1 hour. Optional for all other applications. | 166 | 0 |
| 1504006 | S | Block heater: PACCAR 750 watt 120V for PX-7 and B6.7N. 1000 watt for PX-9 and ISL9 engines. | 24 | 2 |
| 1816260 | S | Alternator: PACCAR 160 amp, brush type | 0 | 0 |
| 1821220 | S | Batteries: 2 PACCAR GP31 threaded post (700-730) 1400-1460 CCA dual purpose. | 0 | 0 |
| 1836106 | S | Mitsubishi 105P55 12V Starter with Cummins and PX PACCAR 12 volt electrical system. W/ centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded. Only for Cummins or PX engines. | 0 | 0 |
| 1901018 | 0 | Remote PTO/Throttle, 12-Pin, 250K, Back of Cab OR Back of Sleeper, J1939, Remote Control Provision | 0 | 0 |
| Transmis | ssion & | & Clutch | | |
| 2011613 | 0 | Transmission: Allison 3000RDS 6-speed, With PTO drive gear. 6th Generation controls. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Requires a push button shift control code. Oil temperature gauge is standard on class 8 models. Transynd transmission fluid is standard on all Allison 1000, 2000, 3000 & 4000 series transmissions. | 6,336 | 399 |

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|-------------------------------|---------------|--|---------|-------|
| 2401405 | S | Driveline: 2 Dana standard-duty; 1 centerbearing. *Standard duty is 1710 series. | 0 | (|
| 2409941 | 0 | One Heavy-Duty One-Piece Aluminum crossmember This option upgrades an existing crossmember. The cost does not include the centerbearing and bracket. Crossmember location will be in accordance with Kenworth engineering standards, using the major components specified on the DTPO. | 0 | |
| 2410018 | S | Torque converter included w/Allison Transmission. | 0 | (|
| 2410114 | 0 | Left hand Pto access, right hand dip stick tube Allison 3000 series only. | 18 | C |
| 2410153 | S | Push Button Shifter Controls, Center Console Mounted for Allison Transmission. 2.1m Medium Duty only. | 0 | 0 |
| 2410310 | S | Allison Neutral at Stop | 394 | C |
| 2410325 | 0 | Allison Fuel Sense: ARM Base Economy | 246 | 0 |
| 2429378 | S | Customer installed transmission PTO in the LH Mounted position (8 o'clock) for Allison 3000 & 4000 transmissions. | 0 | 0 |
| Front Ax | de & E | quipment | | |
| 2534001 | 0 | PACCAR FX-20 ST Fr Axle rated @ 16K 4" drop | 1,523 | 0 |
| 2607002 | 0 | Front Brakes: 14,601-22K Bendix air disc brakes. | 716 | 10 |
| 2690025 | 0 | Splined rotor for front air disc brakes for use with iron hubs. | 478 | 0 |
| 2690039 | 0 | Integral Knuckle for Air Disc Brake, for use on PACCAR FX Steer Axle | 0 | -33 |
| 2702020 | 0 | Front Hubs Iron hub pilot 20,000 lbs. 10 Bolt 16.5x6in. or 7in. or air disc brakes. 10 Bolt, 11-1/4 in. bolt circle. Consider Wheelguards (5850002) with aluminum wheels. | 259 | 80 |
| 2741970 | S | ConMet PreSet Plus Hub package; front axle. | 0 | 0 |
| 2750001 | S | Hubcap: front vented. | 0 | 0 |
| 2769000 | 0 | Slack Adjusters included w/ front axle or brake. Also use w/ disc brakes. | 0 | 0 |
| 2864074 | 0 | Front Springs: Taperleaf 16K w/ shock absorbers w/ maintenance-free elastomer spring pin bushings. | 150 | 76 |
| 2004074 | $\overline{}$ | Dual power steering gears: 16K. | 956 | 75 |
| 2895300 | 0 | | | |
| | s | Power Steering Cooler:Radiator Mounted Air-to-Oil | 325 | 11 |
| 2895300 2899336 2900062 | S O | 60 mm front suspension spacer block. | 325 | |
| 2895300 2899336 2900062 | S O | | | 11 |

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|---------------|-------------|---|---------|-------|
| 3200538 | 0 | Rear Axle Ratio - 5.38. | 0 | |
| 3334004 | 0 | Dual Rear Brakes 16-1/2x7 in. to 46K; Bendix ES-extended service S-cam. | 0 | |
| 3392005 | 0 | Dual Rear Brake Drums: cast. For use with 16.5X7" or 16.5X8.625" brake. | 0 | |
| 3407050 | 0 | Dual Rear Hubs: Aluminum hub pilot 46K; 11.25" bolt circle. Requires "R" series outer ends. | 0 | |
| 3441972 | 0 | ConMet PreSet Plus Hub package; dual rear axle. | 0 | |
| 3465002 | 0 | Dual Rear axle automatic slack adjusters. For use with drum brakes. | 0 | |
| 3485209 | 0 | Spring Brake: 3030 high output dual. | 122 | |
| 3495226 | S | Bendix 4S/4M anti-lock brake system. | 0 | |
| 3500006 | 0 | Inverted chambers for 16-1/2 x 7 in. brakes; Replaces standard mount w/ higher mount. | 12 | |
| 3500037 | 0 | Interaxle driveline:1 Dana 1710 Series Tandem Rear Axels Only. | 391 | 8 |
| 3511420 | 0 | Driver Controlled Differential Lock (Crosslock) for Meritor Axles 40K to 52K forward rear & rear rear axle. Under Speed Interlock is standard on T680. | 2,069 | 3 |
| 3742941 | 0 | Tandem Hendrickson HAULMAAX EX (HMX) 460 46K. 54 in. axle spacing, 17.5 in. saddle height. With shocks, track rods and rubber bolster bushings. Unladen Height: 12.5 in. Laden Height: 10.5 in. | 5,154 | 48 |
| Tires & \ | Wheels | | | |
| 4010006 | 0 | Front Tires: Michelin X Works Z 315/80R22.5 20PR | 1,047 | 90 |
| 4210150 | 0 | Rear Tires: Michelin X Works D 11R22.5 16PR | 2,976 | 240 |
| 4900008 | 0 | Rear Tire Quantity: 8 | 0 | |
| 5042311 | 0 | Front Wheel: Accuride 29039 22.5X9 steel Steel Armor[TM] powder coat, hub-pilot mount. 10000lb. maximum rating. 5-hand holes. | 343 | 70 |
| 5242285 | 0 | Rear Wheel: Accuride 50344 22.5x8.25 steel Steel Armor[TM] powder coat, hub-pilot mount. Heavy-duty 5 hand-hole hub pilot mount. Code is priced per pair of wheels. | 448 | 80 |
| 5853906 | S | Powder coat white steel wheel. Use in conjunction with front, dual front, rear, spare or lift axle wheel code(s). All wheels on chassis must have same finish color. | 0 | (|
| 5900008 | 0 | Rear Wheel/Rim Quantity: 8 | 0 | 0 |
| Frame & | Equip | ment | | |
| 6054250 | S | Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to 308 in. Truck frame weight is 2.91 lbin. per pair of rails. Section modulus is 14.80 cu.in., RBM is 1,776,000 in-lbs per rail. 120,000 PSI | 0 | 94 |

Deal T480

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|---------------|-------------|--|---------|-------|
| | | yield. Heat treated. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail. | | |
| 6141400 | S | Full Steel Insert: for 10-5/8 in. or 10-3/4 in. Steel 285 in. to 336 in. or 2nd insert for 11-5/8 in. steel frame. Adds 1,149,000 in-lb to main rail RBM. Truck insert weight is 2.05 lbin. per pair of rails. Full frame insert length is equal to wheelbase plus rear frame cutoff plus dimension forward of front axle by model: T660, T680, T800, T880 = 21.26 in.; C500B = bumper setting minus 0.79 in.; W900B = 5.27 in., W900L = 1.50 in., W900S = 3.27 in.; T440/T470 50 in. bumper setting = 21.26 in., T470 73 in. bumper setting = 72.3 in. | 1,471 | 615 |
| 6308710 | 0 | Bumper: Aerodynamic, Painted. Requires a bumper setting code. | 38 | 0 |
| 6319040 | 0 | 40 in. Bumper setting. Requires a bumper code. | 0 | 0 |
| 6321010 | S | Front tow loops: Two | 0 | 0 |
| 6397001 | 0 | Huck bolts throughout frame, where possible. | 0 | 0 |
| 6400644 | 0 | Battery box cantilever aluminum BOC with smooth natural finish aluminum cover. | 217 | 19 |
| 6409902 | S | Battery box location: RH Side. | 89 | 0 |
| 6451125 | S | DPF/SCR box natural end plates and natural cover. | 0 | 0 |
| 6490139 | S | Heavy-duty one-pc aluminum intermediate/fill-in crossmember. | 0 | 0 |
| 6490433 | S | Heavy-duty 5-piece rear cab support, hucked assembly. Huck fastened to frame. | 0 | 0 |
| 6679859 | 0 | Final end-of-frame cut-off dimension will be modified to 56 in. to 60 in. | 0 | 0 |
| 6721102 | S | Rear mudflap arms: Betts B-25 standard-duty, straight. Includes B1732 mounting brackets as standard. | 0 | 0 |
| 6722000 | S | Rear mudflap shields: White plastic antisail w/ Kenworth logo. | 0 | 0 |
| 6741005 | 0 | Straight crossmember for pintle hook mounting; square end-of-frame towing configuration. This crossmember limits hitch capacity to 78K. | 721 | 135 |
| Fuel Tar | iks & E | quip | | |
| 7140080 | 0 | 80 US gallon D-Shape rectangular aluminum under fuel tank, replace. With non-slip step. | 256 | 52 |
| 7722173 | S | Large DEF tank, 15 gallons. | 206 | 26 |
| 7889203 | S | DEF to fuel fill ratio 2:1 or greater. | 0 | 0 |

Deal: T480

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| Code | Std/ Opt | Description | \$ List | Weight |
|---------|-------------|---|---------|--------|
| 7889614 | S | DEF tank location is LH BOC. For 2.1M medium duty | 0 | 0 |
| 7920080 | 0 | Location: 80 gal fuel tank LH under cab | 0 | 0 |
| Cab & E | quipn | nent | | |
| 8024311 | S | Cab: Stamped aluminum with curved windshield LED markers. Requires seperate roof code. | 0 | 0 |
| 8090155 | 0 | Hood: Med Aero w/ Chrome Crown | 142 | 0 |
| 8108011 | S | Cab HVAC - Day Cab and 40in Sleeper System With Defrost, A/C, and 48,000 BTU/hr Heater. Includes automatic temperature control with one touch defrost operation and dash mounted cab temperature and solar intensity sensors. Pleated fresh air filter and cabin recirculation air filter standard. The Kenworth HVAC system is designed to provide optimal heating and cooling in all operating environments without need for additional insulation. Cab HVAC without sleeper heater AC is available with 40in sleeper. | 0 | 0 |
| 8201013 | S | Steering wheel: 18 in. 4-spoke. | 0 | 0 |
| 8201200 | S | Adjustable telescoping tilt steering column. | 0 | 0 |
| 8203060 | 0 | 5 sets of keys. Replaces standard 2 sets of keys. | 38 | 0 |
| 8205038 | 0 | Controls on dash for pintle hook. Includes piping. | 37 | 2 |
| 8205069 | 0 | Dash Controls:Tailgate or Dump Gate, Includes Piping and Telltale | 173 | 1 |
| 8205135 | 0 | Information for customer-installed PTO Muncie 10-bolt. | 0 | 0 |
| 8205177 | 0 | Dash Switch: 1st Allison-mntd PTO. Electric switch and wiring are factory-installed to control the 1st Allison Trans mounted PTO. | 166 | 0 |
| 8205272 | 0 | Dash Mounted - Compact Valve to Actuate Rear Service Brakes Self-Returning. | 291 | 0 |
| 8208494 | 0 | One spare switch: Wired to power. | 38 | 0 |
| 8222403 | 0 | Gauge: DD Virtual Gauge - Trailer Brake Application | 50 | 0 |
| 8222409 | 0 | Gauge: DD Virtual Gauge - Air Filter Restriction | 0 | 0 |
| 8222413 | 0 | Gauge: DD Virtual Gauge - Manifold Pressure Boost | 0 | 0 |
| 8222414 | 0 | Gauge: DD Virtual Gauge - Engine Percent Torque | 0 | 0 |
| 8222418 | 0 | Gauge: DD Virtual Gauge - Engine Hours | 0 | 0 |

Deal: 1480

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|---------------|-------------|---|---------|-------|
| | | Instrument Cluster | | |
| 8222419 | 0 | Gauge: DD Virtual Gauge - Volts Instrument Cluster | 0 | |
| 8282024 | S | Main Instrument Package: 7" Digital Display Cluster. Includes Physical (Analog): Speedometer, Tachometer, Oil Pressure, and Coolant Temp; and Digital: Fuel Level #1, DEF Level, DPF Filter Status, Fuel Economy, Volts Telltale, OAT and Primary Air Pressure, Secondary Air Pressure, and Air Application for air brake trucks. | 0 | |
| 8282109 | 0 | Large Flat Panel on Dash For C/I Controls. Replaces Storage Bucket. | 10 | |
| 8330591 | S | Interior Trim Package: 2.1M MD Gray Foam Backing/Cloth Headliner W/Gray Sunvisor & Seat Color Three Underdash Center Console Cupholders (Two If Allison Transmission Is Selected). | 0 | |
| 8410122 | 0 | Driver Seat: KW Air Seat HB Vinyl w/ Dual Armrests/Susp Cover/Isolator Lever | 153 | |
| 8480232 | 0 | Rider Seat: KW Toolbox Seat HB Vinyl w/ Dual Armrests/Record Holder/Occupancy Sensor | 153 | |
| 8490161 | 0 | SEAT COLOR: Black Replacing Standard Gray | 0 | |
| 8601432 | 0 | Kenworth Radio DEA710 AM/FM/WB/USB, Bluetooth | 384 | |
| 8698965 | 0 | Speaker Package For Cab: (2) Speakers B-Pillar | 50 | |
| 8699934 | 0 | CB Installation Kit: C/I Center Mtd of Header w/ Single Antenna on LH Mirror, low mount. | 130 | (|
| 8700196 | S | Turn Signal: Self-Cancelling | 0 | (|
| 8700283 | S | LH and RH Trip Ledge Rain Deflectors | 0 | (|
| 8700501 | 0 | Metal Int Door Panel Kick Plates | 68 | (|
| 8800260 | 0 | Long grabhandle RH side mounted to side-of-cab exhaust. | 23 | 2 |
| 8800372 | O | Grabhandle: LH, Exterior, Side of Cab - Ergonomic Grab Handle Mounted To The Left Hand Exterior Of The Cab For Entry and Exit. | 117 | 3 |
| 8800402 | S | Dual Cab Interior Grabhandles: A Pillar Mounted Dash Wrap and B Pillar Mounted Grabhandles | 0 | C |
| 8832113 | S | Kenworth Daylite Door with standard LH/RH electric door locks and LH/RH electric window controls. | 0 | 0 |
| 8841411 | S | Single air horn under cab. | 0 | O |
| 8850139 | S | Look-Down, Pass. Door, Black 11x6 | 0 | 0 |
| 8850842 | S | Mirror Shell: Dual Aero In-Mold Black | 0 | 0 |

Deal: T480

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|---------------|-------------|---|---------|-------|
| 8860852 | 0 | Mirror: Dual KW Aero Rear View Motor, heated with Integral CX | 67 | 0 |
| 8871447 | 0 | Rear cab stationary window with dark tint 19in x 36in. | 43 | 0 |
| 8890038 | 0 | 3.5in x 11.5in Plastic Records Holder:Mounted On Rear Cab Panel. Not available With Sleeper Or 2 Person Bench Seat. | 49 | 0 |
| 8890101 | S | One-piece bonded-in windshield with curved glass. Standard. | 0 | 0 |
| 8890135 | 0 | Exterior stainless steel sunvisor. | 700 | 11 |
| 8890874 | S | Kenworth Cab Air Suspension. | 105 | 0 |
| 8891011 | 0 | Roof: Raised Profile, Stamped Aluminum w/ Additional Head Room & Interior Overhead Storage | 60 | 0 |
| Lights 8 | Instru | iments | | |
| 9010813 | S | Headlamps: Single Halogen Complex Reflector w/ Turn Indicator, Reflector and w/o DRL. Fender Mtd. | -8 | 0 |
| 9010951 | S | Daytime Running Lights Located in Bumper. Driven by Chassis Height. | 288 | 3 |
| 9022137 | S | Marker Lights: Five, rectangular, LED | 0 | 0 |
| 9030052 | S | LED Stop,Turn,Tail: With Two LED Backup Lights and With An LED License Plate. | 0 | 0 |
| 9080206 | 0 | Switch and Wiring:Cust. Installed Beacon Lights With Additional 20ft Jumper Harness Shipped Loose | 193 | 1 |
| 9090049 | S | Omit Brake Light with Engine Brake. Can only be selected when chassis also has engine brake. Cannot be used with options to delete engine brake. | 0 | 0 |
| 9090142 | 0 | Wiring Only: For customer-installed backup alarm. | 50 | 0 |
| 9090849 | 0 | Polyswitches replacing fuses. Switch will automatically reset after removal of excess load. | 43 | 0 |
| Air Equi | pment | | | |
| 9101218 | S | Air Dryer: Bendix AD-HF Puraguard Heated | 0 | 0 |
| 9108001 | S | Moisture ejection valve w/ pull cable drain. | 0 | 0 |
| 9110020 | S | Full Truck Kit Gladhands mounted at end-of-frame. Seven-way female receptacle mounted at end-of-frame in taillamp bracket. Kit includes dash mounted trailer air supply valve, trailer hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve, tractor protection valve, and spring brake inversion/relay valves are standard. | 894 | 15 |
| 9140020 | S | Nylon air tubing in frame & cab, excluding hoses subject to excessive heat or flexing. | 0 | 0 |
| 9140200 | S | Delete trailer hand valve. Must code for tractor | -45 | 0 |

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| Sales Code | Std/ Opt | Description | \$ List | Weigh |
|---------------|-------------|---|---------|-----------|
| | | kit. | | od in all |
| 9140321 | S | Additional 7-way ISO 3731 connector for trailer ABS power One additional, w/ o light line, for full truck & tractor. | 131 | 6 |
| Extende | ed War | ranty | | |
| 9200008 | S | Base Warranty - PACCAR PX-9 Engine 24 months / 250,000 miles / 402,336 km / 6250 hours. | 0 | 0 |
| 9200022 | 0 | Base Warranty - Standard Service Medium Duty 12 months / Unlimited miles & km | 0 | 0 |
| 9210159 | U | Sourcewell Narr Sourcewell Sourcewell price program | 0 | 0 |
| 9220001 | 0 | Base Warranty: Emissions 5YR/100K MI - EPA Engine | 0 | 0 |
| Miscella | neous | | | |
| 9409852 | S | GHG Secondary Manufacturer: Does Not Apply | 0 | 0 |
| 9490003 | S | Additional lead time required for off highway & /or specialty component truck. | 0 | 0 |
| 9490206 | 0 | Warning triangle reflector kit: Shipped loose. Kit consists of 3 triangles in plastic carrying case. Not floor mounted. | 43 | 4 |
| 9490404 | 0 | One 5 lb. dry chemical type fire extinguisher mounted outboard of driver seat. Class ABC. | 119 | 11 |
| 9490645 | 0 | Zinc Phosphate frame rail paint processing. Requires frame rail code. Code is for 1 pair of rails. | 304 | 0 |
| 9490647 | 0 | Zinc Phosphate frame insert paint processing. Requires any 1st frame insert code. Code is for 1 pair of any frame inserts. | 304 | 0 |
| 9491659 | S | VMUX Architecture | 0 | 0 |
| Promotic | ons | | | |
| Paint | | | | |
| 9700000 | S | Paint color number(s). | 0 | 0 |
| | | N9702 A - L0006 WHITE N9770 BUMPER L0006 WHITE N9720 FRAME N0001 BLACK | | |
| 9943001 | 0 | Bumper Painted Color A | 75 | 0 |
| 9943048 | 0 | Day Cab Bulk Paint | 0 | 0 |
| 9943050 | S | Day Cab Standard Paint | 0 | 0 |
| 9944820 | S | 1 - Color Paint - Day Cab Color will be White if no other color is specified. | 0 | 0 |
| 9965510 | S | Base coat/clear coat. | 0 | 0 |

Deal: T480

Printed On: 7/27/2023 3:09:47 PM



Sales Code Opt Description \$List Weight

The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.

Order Comments



Total List Price (W/O Freight & Warranty & Surcharges) Marketing and Service Support Fee **Prepaid Freight** Total Surcharge/Options Not Subject To Discount

\$157,984

\$1,040

\$2,825 \$0

Total Weight

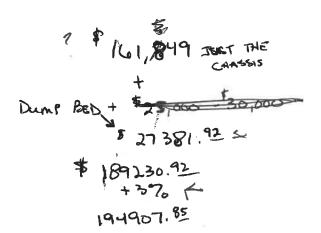
15,481

Prices and Specifications Subject to Change Without Notice.

Unpublished options may require review/approval. Dimensional and performance data for unpublished options may vary from that displayed in CRM.

PRICING DISCLAIMER

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CHRIS ETEKHAROT 317 941 8173

Price Level January 1, 2022

Quote Number: QUO-968394-F6B9K9

Page 12 of 13



Shipping Destinations

Intermediate Destination: NONE

| Final Destinations | Quantity |
|---|----------|
| Palmer Trucks Indianapolis 2929 S. Holt Road | 1 |
| Indianapolis , Indiana 46241 | |



Proposal: 17007-01

INTERNATIONAL® May 03, 2024

Prepared For: Noblesville Utilities Benjamin French 197 Washington St. Noblesville, IN 46060-3254 (317)773 - 6353 Reference ID: N/A

Presented By: RUSH TRK CTR OF IN Joshua Clines 1325 W THOMPSON RD. **INDIANAPOLIS IN 46217 - 9267** (317)677-9200

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile 2025 HV613 SBA (HV613)

AXLE CONFIG:

6X4

APPLICATION:

Construction Dump

MISSION:

Requested GVWR: 54000. Calc. GVWR: 60320. Calc. GCWR: 130000

Calc. Start / Grade Ability: 20,39% / 2,93% @ 55 MPH

Calc. Geared Speed: 102.6 MPH

DIMENSION:

Wheelbase: 207.00, CA: 139.90, Axle to Frame: 67.00

ENGINE, DIESEL:

{International A26} EPA 2021, 430HP @ 1700 RPM, 1550 lb-ft Torque @ 900 RPM, 2100 RPM

Governed Speed, 430 Peak HP (Max)

TRANSMISSION, AUTOMATIC:

(Allison 4000 RDS) 6th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with

PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway

CLUTCH:

Omit Item (Clutch & Control)

AXLE. FRONT NON-DRIVING:

SUSPENSION, REAR, TANDEM:

{Meritor MFS-16-143A} Wide Track, I-Beam Type, 16,000-lb Capacity

AXLE, REAR, TANDEM:

{Meritor RT-46-160P} Single Reduction, 46,000-lb Capacity, with Lube Oil Pump, Driver

Controlled Locking Differential in Rear-Rear Axle, 200 Wheel Ends Gear Ratio: 4.10

Conventional, Day Cab

TIRE, FRONT:

(2) 11R24.5 Load Range H ECOPLUS HS3+ (CONTINENTAL), 473 rev/mile, 75 MPH, All-Position

TIRE, REAR:

(8) 11R24.5 Load Range H HDL2 DL+ (CONTINENTAL), 468 rev/mile, 75 MPH, Drive

{Hendrickson RT-463} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Multileaf Springs,

with Bronze Center Bushings

PAINT:

CAB:

Cab schematic 100WN

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

Vehicle Specifications 2025 HV613 SBA (HV613)

May 03, 2024

| <u>Code</u> HV61300 | <u>Description</u> Base Chassis, Model HV613 SBA with 207.00 Wheelbase, 139.90 CA, and 67.00 Axle to Frame. |
|------------------------|--|
| 1570 | TOW HOOK, FRONT (2) Frame Mounted |
| 1AND | AXLE CONFIGURATION {Navistar} 6x4 |
| | Notes : Pricing may change if axle configuration is changed. |
| 1CAW | FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 12.250" x 3.380" x 0.375" (304.8mm x 85.6mm x 9.5mm); 480.0" (12192mm) Maximum OAL |
| 1LEH | LICENSE PLATE HOLDER Single Plate, Swing Type, Mounted Below Front Bumper |
| 1LLA | BUMPER, FRONT Swept Back, Steel, Heavy Duty |
| 1MEJ | FRAME DIMPLE Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline |
| 1WHP | WHEELBASE RANGE 183" (465cm) Through and Including 248" (630cm) |
| 1WMA | CROSSMEMBER, INTERMEDIATE (1) 5-Piece in lieu of Each Single Dogbone with 4x2 & 4x4 Chassis; Each Double Dogbone with 6x4, 6x6 & 8x6 Tridem Chassis |
| 2ARU | AXLE, FRONT NON-DRIVING (Meritor MFS-16-143A) Wide Track, I-Beam Type, 16,000-lb Capacity |
| 3ADE | SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 16,000-lb Capacity, with Shock Absorbers |
| 4091 | BRAKE SYSTEM, AIR Dual System for Straight Truck Applications |
| | Includes BRAKE LINES Color and Size Coded Nylon DRAIN VALVE Twist-Type GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel PARKING BRAKE VALVE For Truck QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6 |
| 4732 | DRAIN VALVE {Berg} with Pull Chain, for Air Tank |
| 4AZA | AIR BRAKE ABS (Bendix AntiLock Brake System) 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System |
| 4EBD | AIR DRYER {Wabco System Saver 1200} with Heater |
| 4EXR | BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/36 Sqln Spring Brake |
| 4EXV | BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 Sqln |
| 4GBM | BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake |
| 4LAG | SLACK ADJUSTERS, FRONT {Gunite} Automatic |
| 4LGG | SLACK ADJUSTERS, REAR {Gunite} Automatic |
| 4SPM | AIR COMPRESSOR (Bendix BA-921 Head Unload) 15.9 CFM |
| 4VHT | AIR DRYER LOCATION Mounted Outside Left Rail, on Fuel Water Separator Bracket |
| 4VKJ | AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Left Rail, Back of Cab, Perpendicular to Rail |
| 4WBX | DUST SHIELDS, FRONT BRAKE for Air Cam Brakes |
| 4WDM | DUST SHIELDS, REAR BRAKE for Air Cam Brakes |

Vehicle Specifications 2025 HV613 SBA (HV613)

May 03, 2024

| <u>Code</u> 4XDS | <u>Description</u> BRAKES, REAR {Meritor 16.5X8.625 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 8.625", 23,000-lb Capacity per Axle |
|---------------------|---|
| 4XDT | BRAKES, FRONT (Meritor 16.5X6 Q-PLUS CAST) Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity |
| 4XEE | PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type |
| 5710 | STEERING COLUMN Tilting and Telescoping |
| 5CAW | STEERING WHEEL 4-Spoke; 18" Dia., Black |
| 5PTB | STEERING GEAR (2) {Sheppard M100/M80} Dual Power |
| 6DGU | DRIVELINE SYSTEM (Dana Spicer) SPL250 Main Driveline with SPL170 Interaxle Shaft, for 6x4 |
| 7BEU | AFTERTREATMENT COVER Aluminum |
| 7BLV | EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Short Horizontal Tail Pipe, Frame Mounted Right Side Back of Cab |
| 7SDK | ENGINE COMPRESSION BRAKE by Jacobs; for N13/A26 Engines, with Selector Switch and On/Off Switch |
| 7WDR | TAIL PIPE (1) Horizontal, Short |
| 8000 | ELECTRICAL SYSTEM 12-Volt, Standard Equipment |
| | Includes : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered |
| 8GXJ | ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount |
| 8НАН | ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket |
| 8MSG | BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud |
| 8RMV | SPEAKERS (2) 6.5" Dual Cone Mounted in Doors |
| 8RPP | ANTENNA Shark Fin, Roof Mounted |
| 8RPS | RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input |
| 8THB | BACK-UP ALARM Electric, 102 dBA |
| 8TKK | TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/Air Trailer ABS; with 30 Amp Fuse and Relay, Controlled by Ignition Switch |
| 8VAY | HORN, ELECTRIC Disc Style |
| 8VUL | BATTERY BOX Steel, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Left Side Back of Cab |
| 8WBW | JUMP START STUD, 12V Remote Mounted |

Vehicle Specifications 2025 HV613 SBA (HV613)

May 03, 2024

| <u>Code</u> 8WPH | <u>Description</u> CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade |
|---------------------|--|
| 8WTL | STARTING MOTOR (Delco Remy 39MT) 12 Volt, Gear Reduced, with Thermal Over-Crank Protection |
| 8XAH | CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses |
| 8XGT | TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender |
| 8XHN | HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord |
| 8XNZ | HEADLIGHTS Halogen, with Daytime Running Lights |
| 9585 | FENDER EXTENSIONS Rubber |
| 9AAB | LOGOS EXTERIOR Model Badges |
| 9AAE | LOGOS EXTERIOR, ENGINE Badges |
| 9НВМ | GRILLE Stationary, Chrome |
| 9WAC | BUG SCREEN Mounted Behind Grille |
| 9WBK | FRONT END Tilting, Fiberglass, with Three Piece Construction, Includes Long Hood |
| 10060 | PAINT SCHEMATIC, PT-1 Single Color, Design 100 |
| | Includes : PAINT SCHEMATIC ID LETTERS "WN" |
| 10761 | PAINT TYPE Base Coat/Clear Coat, 1-2 Tone |
| 10AGB | COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360 |
| 11001 | CLUTCH Omit Item (Clutch & Control) |
| 12703 | ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection |
| 12850 | PTO EFFECTS, ENGINE FRONT for N13/A26/S13 Engines, Less PTO, Unit, Includes Adapter Plate on Engine Front Mounted |
| 12BEW | ENGINE, DIESEL {International A26} EPA 2021, 430HP @ 1700 RPM, 1550 lb-ft Torque @ 900 RPM, 2100 RPM Governed Speed, 430 Peak HP (Max) |
| 12THT | FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed |
| | Includes : FAN Nylon |
| 12VBC | AIR CLEANER Single Element |
| 12VJU | EMISSION, CALENDAR YEAR {International A26} EPA, OBD and GHG Certified for Calendar Year 2024 |
| 12WTA | FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted |
| 12WVH | EPA IDLE COMPLIANCE Low NOx Idle Engine, Complies with EPA Clean Air Regulations; Includes "Certified Clean Idle" Decal on Door |
| 12WZE | CARB IDLE COMPLIANCE Does Not Comply with California Clean Air Idle Regulations |
| 12XBD | RADIATOR Aluminum, Welded, Cross Flow, Front to Back System, 1292 Sqln, with 1008 Sqln Charge Air Cooler |
| | <u>Includes</u> |

DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps

RADIATOR HOSES Premium, Rubber

Vehicle Specifications 2025 HV613 SBA (HV613)

May 03, 2024

| Code 12XCS | <u>Description</u> CARB EMISSION WARR COMPLIANCE Does Not Comply with CARB Emission Warranty |
|---------------|--|
| 13BDY | TRANSMISSION, AUTOMATIC {Allison 4000 RDS} 6th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, On/Off Highway |
| 13WAW | OIL COOLER, TRANSMISSION (Modine) Water to Oil Type |
| 13WET | TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission |
| 13WLM | TRANSMISSION OIL Synthetic; 63 thru 76 Pints |
| 13WUC | ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223 |
| 13WVV | NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released |
| 13WYU | SHIFT CONTROL PARAMETERS (Allison) 3000 or 4000 Series Transmissions, Performance Programming |
| 13XAT | PTO LOCATION Dual, Customer Intends to Install PTO at Left Side and/or Top of Transmission |
| 14GRS | AXLE, REAR, TANDEM {Meritor RT-46-160P} Single Reduction, 46,000-lb Capacity, with Lube Oil Pump, Driver Controlled Locking Differential in Rear-Rear Axle, 200 Wheel Ends . Gear Ratio: 4.10 |
| 14UHK | SUSPENSION, REAR, TANDEM {Hendrickson RT-463} Walking Beam, 46,000-lb Capacity, 54" Axle Spacing, Multileaf Springs, with Bronze Center Bushings |
| 15DYP | DEF TANK 9.5 US Gal (36L) Capacity, Frame Mounted Outside Left Rail, Under Cab |
| 15LLP | LOCATION FUEL/WATER SEPARATOR Mounted Inside Left Rail, Back of Cab |
| 15LPR | FUEL/WATER SEPARATOR {Racor 6600} 12 VDC Electric Heater, Includes Pre-Heater, Fuel Heated with Fuel Blender Valve, with Sight Bowl, Includes Water-In-Fuel Sensor |
| 15SJZ | FUEL TANK Top Draw, Non-Polished Aluminum, 26" Dia, 80 US Gal (303L), Mounted Left Side, Under Cab |
| 16030 | CAB Conventional, Day Cab |
| 16BAM | AIR CONDITIONER with Integral Heater and Defroster |
| 16GEG | GAUGE CLUSTER Premium Level; English with English Electronic Speedometer |
| | Includes : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary) |
| 16GHU | GRAB HANDLE, CAB INTERIOR (2) Safety Yellow |
| 16HCS | GAUGE, TEMPERATURE, AMBIENT Sensor Wiring with Display Unit Mounted in Cluster |
| 16HKT | IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster |
| 16HLW | VIRTUAL GAUGE, OIL TEMP, ENG Requires Premium Cluster |
| 16JYM | SEAT, DRIVER {National Model HP} Air Suspension, High Back, Vinyl Boxing with Cloth Facing, 2 Arm Rests, Isolator, 7.5 Adjuster, 3 Chamber Lumbar, 6 Way Front Adjust, 3 Way Rear Cushion Adjust, 3-14 Degree Back Angle Adjustment, Adj Side Bolster, Bellows, Back Cycler |
| 16RAN | SEAT, PASSENGER {National 2000 Model 192} Non Suspension, High Back, Vinyl Boxing with Cloth Facing, 11 Degree Back Angle Adjust |

Vehicle Specifications 2025 HV613 SBA (HV613)

May 03, 2024

<u>Code</u> Description

16SJW MIRROR, CONVEX, HOOD MOUNTED (Lang Mekra) (2) Right and Left Sides, Black, Heated, 7.5" Sq.

16SNT MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Black Heads and Arms, 6.5" x 14" Flat

Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width

<u>Notes</u>

: Mirror Dimensions are Rounded to the Nearest 0.5"

16SNW MIRROR, CONVEX, LOOK DOWN Right Side, Black, 6" x 10.5"

16VKB CAB INTERIOR TRIM Classic, for Day Cab

<u>Includes</u>

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket;

Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to

Overhead Console, Center Mounted

: SUN VISOR (2) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Toll Ticket Strap

16VLV MONITOR, TIRE PRESSURE Omit

16WJU WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature

16WSK CAB REAR SUSPENSION Air Bag Type

16XJP INSTRUMENT PANEL Wing Panel

16XTM ACCESS, CAB Aluminum, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab or Sleeper

Cab

27DPR WHEELS, FRONT {Accuride 28827} DISC; 24.5x8.25 Rims, Powder Coat Steel, 2-Hand Hole, 10-Stud.

285.75mm BC, Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and Steel Hubs

28DPR WHEELS, REAR {Accuride 28827} DUAL DISC; 24.5x8.25 Rims, Powder Coat Steel, 10-Stud, 285.75mm BC,

Hub-Piloted, Flanged Nut, with .472" Thick Increased Capacity Disc and with Steel Hubs

60AKG BDY INTG, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches

to Control (3) 30 amp relays, with Programmable Interlocks, for Body Builder Hook up in the Engine

Compartment Left Side, Recommended for Automatic Transmissions

7384225443 (2) TIRE, FRONT 11R24.5 Load Range H ECOPLUS HS3+ (CONTINENTAL), 473 rev/mile, 75 MPH, All-

Position

7384225447 (8) TIRE, REAR 11R24.5 Load Range H HDL2 DL+ (CONTINENTAL), 468 rev/mile, 75 MPH, Drive

Services Section:

40127 WARRANTY Standard for HV513, HV613 Models, Effective with Vehicles Built July 1, 2017 or Later,

CTS-2030A

I 14ft Dump Body

Financial Summary 2025 HV613 SBA (HV613)

May 03, 2024

Proposal: 17007-01

(US DOLLAR)

| Description | Price |
|---|---|
| Net Sales Price: | \$194,540.24 |
| Please feel free to contact me regarding these specifications shoul pleased with the quality and service of an International vehicle. | d your interests or needs change. I am confident you will be |
| Approved by Seller: | Accepted by Purchaser: |
| Official Title and Date | Firm or Business Name |
| Authorized Signature | Authorized Signature and Date |
| This proposal is not binding upon the seller without Seller's Authorized Signature | |
| | Official Title and Date |
| The TOPS FET calculation is an estimate for reference purpose and reporting/paying appropriate FET to the IRS. | s only. The seller or retailer is responsible for calculating |
| | |

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.