


Bullitt County Public Schools

1040 Highway 44 East
Shepherdsville, Kentucky 40165

Phone: 502-869-8000
Fax: 502-543-3608
www.bullittschools.org

Memo

To: Jesse Bacon, Superintendent

From: Tony Roth, Director of Buildings and Grounds **Tony** 

Date: May 17, 2022

Re: Board Agenda Item
Recommendation to Accept Bids

I am asking the Boards' approval to accept the following bids for a 40 yard front load garbage truck and 60 front loading containers.

- Ryan Truck Sales' (Dixon, MO) bid of \$325,000.00 for a 2021 Mack 40 yard front load garbage truck. Truck to be delivered before July 1, 2022.
- Nu-Life Environmental (Easley, SC) bid of \$93,480.00 for 60, 8 yard front loading containers. Containers to be delivered before July 1, 2022.

Contact me should you need additional information.

Attachments:

- Bid Package – Front Load Containers
- Bid Package – Garbage Truck

Bid Package

Purchase 8 Yard Slant Front Load Containers

Bid No. 2021-22 #16

Owner: Bullitt County Public Schools
1040 Highway 44 East
Shepherdsville, KY 40165

Owner Contact: Tony Roth
Director of Facilities
502/869-8022 (office)
502/639-3454 (cell)
tony.roth@bullitt.kyschools.us

May 2022

Table of Contents

Cover Sheet	Page 1
Table of Contents	Page 2
Invitation to Bid	Page 3
Specifications	Page 4
Requirements to Bid	Page 4
Scoring Rubric	Page 4
Bid Form	Page 5
Certificate of Compliance	Page 6
Conflict of Interest	Page 7

Invitation to Bid

Project Description: Purchase 60 8-yard front load Containers

Bid proposals are to be submitted on the Bid Form in a sealed manila envelope, along with all other necessary documents, addressed to:

Bullitt County Public Schools
Bid Package
1040 Highway 44 East
Shepherdsville, KY 40165

Refer to the General Bid Instructions and Conditions of this bid package for other bidding requirements.

Bid documents may be requested or picked up for the Bullitt County Schools Facilities Office (located at 325 East Second Street, Shepherdsville, KY), on or after May 5, 2022, between the hours of 8:00 am and 2:30 pm. Please contact Tony Roth at 502/869-8022 or via email at tony.roth@bullitt.kyschools.us with any questions.

Bid Deadline: May 16, 2022 @ 10:00 a.m.

Bid Location: Bullitt County Board of Education
1040 Highway 44 East
Shepherdsville, KY 40165

Final Bid Tabulations will be considered at the Monthly Board Meeting at a later date. The successful bidder will be notified after board approval.

Specifications

1. Must be Solid metal construction
2. Must have lids
3. Must be painted royal blue
4. Must be lockable
5. Must be designed for front loading.
6. Must be delivered by June 15.
7. Load area must be slanted.

Requirements to Bid

1. Proof of Ownership of Equipment.
2. Willingness to deliver containers by 6/15/22.
3. References. Minimum 3 letters of recommendation attesting to quality of work and/or character.

8 yard container Scoring Rubric

Each qualified bidder has the chance to receive up to 100 points on their bid based on 4 scoring categories:

1. Bid Amount and Pricing - 35 points
2. Availability - 35 points
3. Warranty - 30 points

BID FORM

Date:

5/11/22

Submitted By:

Iron Container LLC

Firm Name

4821 Calhoun Memorial Hwy

Mailing Address

Easley, SC 29640

City/State/Zip

Telephone:

800-654-1752

Fax:

864-855-9182

E-Mail:

tpickel@ironcontainer.com

Contact:

Tim Pickel**Bid Proposal**

The undersigned hereby attests by signature, having examined the details in the Invitation to Bid and Bid Specifications, proposes to provide pricing and other qualifications as noted below for the purchase of 60 8 yard front load containers

Total Price

\$93,480.00 plus tax (if applicable)

Warranty

Attach Documentation regards to defects

Availability Date

1-3 weeks

The undersigned certifies under penalty of perjury that this bid in all respects is bona fide, fair and made without collusion or fraud with any other person. As used in this Section, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity. This offer shall be open to acceptance and is irrevocable for up to sixty (60) days from the bid closing date.

BID FORM SIGNATURE

Signature

Tim Pickel / Sales Manager

Typed Name/Title

CERTIFICATION OF COMPLIANCE WITH SPECIFICATIONS

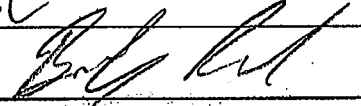
In compliance with the invitation to bid, and subject to all the conditions thereof, the undersigned hereby certifies that all items and/or services included in this bid shall be in compliance with all requirements and technical specifications included in this invitation to bid, except as noted below:

EXCEPTIONS:

NAME OF COMPANY Iron Container LLC

ADDRESS 4821 Calhoun Memorial Hwy

Easley, SC Zip Code 29640

BY 
(signature)

(PLEASE PRINT OR TYPE NAME) Tim Pickel

OFFICIAL TITLE Sales Manager

TELEPHONE NUMBER 800-654-1752

DATE 5/12/22 FAX 864-855-9182

WEBSITE www.ironcontainer.com

E-mail address tpickel@ironcontainer.com

NOTE: THIS COMPLIANCE SHEET MUST BE SIGNED AND ATTACHED TO THE BID FORM IN ORDER FOR YOUR BID TO BE QUALIFIED.

CONFLICT OF INTEREST

It shall be a breach of ethical standards for any employee with procurement authority to participate directly in any proceeding or application, request for ruling or determination; claim or controversy; or other particular matter pertaining to any contract or subcontract, and any solicitation of proposal therefore, in which to his knowledge:

- a) He, or any member of his immediate family, has a financial interest herein; or
- b) A business or organization which he or any member of his immediate family has a financial interest as an officer, director, trustee, partner or employee, is a party; or
- c) Any other person, business, or organization with whom he or any member of his immediate family is negotiating or had an arrangement concerning prospective employment is a party direct or indirect participation shall include, but not limited to, involvement through decision, approval, disapproval, recommendation, preparation of any part of a purchase request, influencing the content of any specification or purchase standard, rendering of advice, investigation, auditing or in any other capacity.

It is a violation of Kentucky law for any board member or employee, or a member of their immediate family, to have a pecuniary interest either directly or indirectly in an amount exceeding \$25.00 per year in any purchase of goods or services by the board of education or any school thereof. Violation of this provision subjects the board member or employee to forfeiture of their position and/or employment with the school system.

I hereby certify that no member of my immediate family is an employee or board member of the Bullitt County Board of Education.


SIGNATURE

Tim Pickel
PRINTED NAME

5/12/22
DATE

KRS 156.480

OAG 80 32

Model Procurement Code 45A, 45S

NOTE: This certification must be signed and attached to the bid form in order for your bid to be qualified.

WARRANTY STATEMENT CONTAINERS

Iron Container, LLC warrants their Containers to be free from defects in workmanship, under normal service and use, for a period of twelve (12) months. Normal (Anticipated) paint fade is not covered under this warranty.

IC does not assume liability for loss of product, time, or any other consequential damages.

IC neither assumes, nor authorizes anyone to assume for it, any other obligations or liability in connection with our Containers.

IC will not warranty any Container that has been subject to misuse, abuse, negligence, accident, or alteration.



CITY OF ELBERTON
105 GORGON STREET
ELBERTON, GA 30635 – 0070
Cityofelberton.net
(706) 213-3190

5/3/2022

To: Tim Pickel
Sales Manager S.C
Iron Container LLC

From: Michael Hart
Office Manager
City of Elberton, Public Works

This letter is in reference to Dumpster Quality and Company Experience.

The City of Elberton has been purchasing dumpsters from the Iron Container since 2014. The rear loader dumpsters are built to the City of Elberton's specifications and are built to last for many years.

We have a good work relationship with the company. Mr. Pickel has gone far beyond his duty for the company when they were having trouble getting metal to build the dumpsters during the pandemic.

I would recommend this company for any of your dumpster needs. They are on time and always have the customer in mind.

Sincerely;
Michael Hart
City of Elberton Public Works
Office Manager
105 Gordon St,
Elberton, Ga. 30635
Office: 706-213-3190
E Mail: mwhart@cityofelberton.net

Bid Package

Purchase Garbage Truck

Bid No. 2021-22 #15

Owner: Bullitt County Public Schools
1040 Highway 44 East
Shepherdsville, KY 40165

Owner Contact: Tony Roth
Director of Facilities
502/869-8022 (office)
502/639-3454 (cell)
tony.roth@bullitt.kyschools.us

May 2022

Table of Contents

Cover Sheet	Page 1
Table of Contents	Page 2
Invitation to Bid	Page 3
Specifications	Page 4
Requirements to Bid	Page 5
Scoring Rubric	Page 5
Bid Form	Page 6
Certification of Compliance	Page 7
Conflict of Interest	Page 8

Invitation to Bid

Project Description: Purchase Garbage Truck

Bid proposals are to be submitted on the Bid Form in a sealed manila envelope, along with all other necessary documents, addressed to:

Bullitt County Public Schools
Bid Package
1040 Highway 44 East
Shepherdsville, KY 40165

Refer to the General Bid Instructions and Conditions of this bid package for other bidding requirements.

Bid documents may be requested or picked up for the Bullitt County Schools Facilities Office (located at 325 East Second Street, Shepherdsville, KY), on or after May 5, 2022, between the hours of 8:00 am and 2:30 pm. Please contact Tony Roth at 502/869-8022 or via email at tony.roth@bullitt.kyschools.us with any questions.

Bid Deadline: May 16, 2022

Bid Location: Bullitt County Board of Education
1040 Highway 44 East
Shepherdsville, KY 40165

Final Bid Tabulations will be considered at the Monthly Board Meeting at a later date. The successful bidder will be notified after board approval.

Specifications

1. Must be a 40 yard front loader.
2. Must be either new or have remaining warranty.
3. Must be a diesel engine.
4. Power Steering and power brakes.
5. Air conditioning.
6. LED exterior lights
7. Other equipment necessary to safely perform duties.

Requirements to Bid

1. Proof of Ownership or Possession of Truck
2. Proof of ability to provide truck by 7/1/22.
3. Proof of Insurance. General Liability Coverage of at least \$1,000,000.
4. References. Minimum 3 letters of recommendation attesting to quality of work and/or character.

Garbage Truck Scoring Rubric

Each qualified bidder has the chance to receive up to 100 points on their bid based on 4 scoring categories:

1. Bid Amount and Pricing - 35 points
2. Warranty -30 points
3. Availability – 35 points

CERTIFICATION OF COMPLIANCE WITH SPECIFICATIONS

In compliance with the invitation to bid, and subject to all the conditions thereof, the undersigned hereby certifies that all items and/or services included in this bid shall be in compliance with all requirements and technical specifications included in this invitation to bid, except as noted below:

EXCEPTIONS:

NAME OF COMPANY Ryan Truck Sales
ADDRESS 14011 Cario lane
Dixon MO Zip Code 65459
BY [Signature]
(signature)

(PLEASE PRINT OR TYPE NAME) Keith Alexander

OFFICIAL TITLE Sales Agent

TELEPHONE NUMBER 360-844-9010

DATE 5/11/2022 FAX _____

WEBSITE _____

E-mail address Keith Alexander 3333@gmail.com

NOTE: THIS COMPLIANCE SHEET MUST BE SIGNED AND ATTACHED TO THE BID FORM IN ORDER FOR YOUR BID TO BE QUALIFIED.

CONFLICT OF INTEREST

It shall be a breach of ethical standards for any employee with procurement authority to participate directly in any proceeding or application, request for ruling or determination; claim or controversy; or other particular matter pertaining to any contract or subcontract, and any solicitation of proposal therefore, in which to his knowledge:

- a) He, or any member of his immediate family, has a financial interest herein; or
- b) A business or organization which he or any member of his immediate family has a financial interest as an officer, director, trustee, partner or employee, is a party; or
- c) Any other person, business, or organization with whom he or any member of his immediate family is negotiating or had an arrangement concerning prospective employment is a party direct or indirect participation shall include, but not limited to, involvement through decision, approval, disapproval, recommendation, preparation of any part of a purchase request, influencing the content of any specification or purchase standard, rendering of advice, investigation, auditing or in any other capacity.

It is a violation of Kentucky law for any board member or employee, or a member of their immediate family, to have a pecuniary interest either directly or indirectly in an amount exceeding \$25.00 per year in any purchase of goods or services by the board of education or any school thereof. Violation of this provision subjects the board member or employee to forfeiture of their position and/or employment with the school system.

I hereby certify that no member of my immediate family is an employee or board member of the Bullitt County Board of Education.


SIGNATURE


PRINTED NAME


DATE

KRS 156.480

OAG 80 32

Model Procurement Code 45A, 45S

NOTE: This certification must be signed and attached to the bid form in order for your bid to be qualified.





ritchie mack trk PDF - 535 KB



Warranty

View warranty coverage

Search

Registration no. Valid file date

Chassis no.

VIN

Brand Marketing type Chassis no.

Brand Unit no.

Vehicle Information

Chassis no.	1421270018000000	Delivering inventory	ES4	Delivering date	3/29/2021	Vehicle operation date	0
Registration no.	1421270018000000	Country of operation	USA	Ship/stocked date		mileage (mi) D	48743
VIN	1421270018000000	Using customer	132785017-PR...	Since delivering date		Delivery mileage (mi) Q	2209
Marketing type	ES4	Customer no.		Opening hours	0		
Unit no.	1421270018000000						

Charge code	Description	Start date	End date	Attachment
0001	Truck, 12 Months/100,000 miles - VEHICLE WARRANTY CLAIM JOB	3/26/2021	3/26/2022	
0002	AC Sealed (Pneumatically Applied), 12 Months/Unlimited Miles - VEHICLE WARRANTY CLAIM JOB	3/26/2021	3/26/2022	AC.pdf
0003	Truck, 30 days, Standard Warranty - VEHICLE WARRANTY CLAIM JOB	3/26/2021	4/26/2021	30 DAY ITES
0004	Alignment, 1 month - VEHICLE WARRANTY CLAIM JOB	3/26/2021	4/26/2021	
ET330	EXHAUST AFTER TREATMENT 60 MONTHS/200K MILES - VEHICLE WARRANTY CLAIM JOB (DC17)	3/26/2021	3/26/2026	EATS - 10282020.pdf
ET330	EXHAUST PLAN 2 60 MONTHS/200K MILES - VEHICLE WARRANTY CLAIM JOB (DC17)	3/26/2021	3/26/2026	EP2 Chassis Reference April 2021.pdf
CL30	Production Related Failure: Failure found while truck still not delivered - VEHICLE WARRANTY CLAIM JOB	3/26/2021	4/26/2021	
TOW1	Towing on warrantable chassis failure 3 months/3,000 miles - BREAKDOWN CLAIM JOB (DC10)	3/26/2021	6/26/2021	
TOW2	TOWING on warrantable engine failure 24 months/250,000 miles - BREAKDOWN CLAIM JOB (DC10)	3/26/2021	3/26/2023	
TOW10	Towing on warrantable chassis failure 12 months/100,000 miles - BREAKDOWN CLAIM JOB (DC10)	3/26/2021	3/26/2022	UDMP Chassis Towing
U031	Frame & Chassis, 36 Months/200,000 Miles - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2024	FRAME
U050	DriveShaft, 36 Months/200,000 Miles - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2024	U050_U051_PROP2 (ATT).pdf
U053	Front Non-Drive Steering Axle Assembly, 36 Months/200,000 Miles - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2024	Front Axle Standard 201912.pdf
U055	Rear Axle Differential Carrier Assembly 36 Months/200,000 Miles - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2024	AXLES_DWP 201912.pdf
U062	Rear Axle Housing 36 Months/200,000 Miles - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2024	AXLE HSG 201912.pdf
U067	Match Protection Break-in 36 months/200,000 miles - VEHICLE WARRANTY CLAIM JOB	3/26/2021	3/26/2024	
U08	Standard Engine Warranty, 24 months/250,000 Miles/472 376 KM - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2023	EPA17 Standard Engine
U06A	Major Engine Components (EPA17), 60 mo/500K mi/76172 KM - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2026	EPA17 Major Components
U008	Engine Emission EPA17, 60 Mo/100K MI/160934 KM - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2026	EPA17 Emission Unit Mar2021.pdf
U009	Alison Transmissions, 84FD ONLY, NO CLAIMS - Contact Local Allison Dealer for Coverage Detail	3/26/2021	4/26/2021	
U074	Cab Structure, 24 Months/200,000 Miles - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2023	Cab Structure
U002	Cab Corrosion, 60 Months/500,000 Miles - VEHICLE WARRANTY CLAIM JOB (DC10)	3/26/2021	3/26/2026	CAB CORROSION
20421	84FD ONLY NO CLAIMS, 24 MONTHS - UPTIME SERVICES BUNDLE w/Remote Updates (Read Attachment)	3/26/2021	3/26/2023	Uptime Services Bundle 24 months with Remote Updates
20422	84FD ONLY NO CLAIMS, 60 MONTHS - UPTIME SERVICES BUNDLE w/Remote Updates (Read Attachment)	3/26/2021	3/26/2026	Uptime Services Bundle 60 months with Remote Updates



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/03/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	Heartland Ins. LLC 2451 Executive Dr., Suite 200 St. Charles, MO 633035806	CONTACT: Amber Haislip PHONE: 636-477-8700 FAX: 636-477-8701 EMAIL: ahaislip@heartlandins.com ADDRESS: heartlandins.com
INSURED	Ryan Truck Sales Inc 14011 Calro Ln Dixon, MO 65459	INSURANCE AFFORDING COVERAGE
		NUMBER: Heartland Insurance
		SIGNATURE:
		NUMBER:
		INSURER:
		INSURER:
		INSURER:

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	POLICY NUMBER	POLICY EFF. DATE	POLICY EXPIRATION DATE	LIMIT
COMMERCIAL GENERAL LIABILITY				
<input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR				
<input type="checkbox"/> GENERAL AGGREGATE LIMIT APPLICABLE				
<input type="checkbox"/> POLICY <input type="checkbox"/> PER <input type="checkbox"/> ACC <input type="checkbox"/> LOC				
<input type="checkbox"/> OTHER				
AUTOMOBILE LIABILITY	AD2016MO0010	1/20/2022	1/20/2023	300,000
<input type="checkbox"/> ANY AUTO				
<input type="checkbox"/> OWNED <input type="checkbox"/> AUTOS ONLY <input type="checkbox"/> HIREN <input type="checkbox"/> AUTOS ONLY <input type="checkbox"/> AUTOS ONLY				
<input type="checkbox"/> UMBRELLA LIAB				
<input type="checkbox"/> EXCESS LIAB				
<input type="checkbox"/> TAD <input type="checkbox"/> RETENTION				
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				
<input type="checkbox"/> ANY EMPLOYERS' LIABILITY <input type="checkbox"/> OFFICERS' DIRECTORS' LIABILITY (Mandatory in MO)				
<input type="checkbox"/> YIN <input type="checkbox"/> NIA				
Garage Liability	AD2016MO0010	1/20/2022	1/20/2023	300,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

ACORD 25 (2016/03)

The ACORD name and logo are registered marks of ACORD

Refuse Truck Specifications

Year: 2021

Make: Mack

Model: TE64

VIN# 1M2TE26C7MM005278

Engine: MP7-345hp

Transmission: Allison 4500RDS

Front Axle: 20k

Rear Ends: 46k

Tires/Wheels: 315R22.5 Aluminum Wheels

Miles: 30,081

Hours: 1,516

Chassis Options: A/C

Chassis: warranty: See Attached Mack Warranty...

Body MFG & Model: Labrie Super Duty Full Eject

Body Size: 40 yards

Body Options: Joystick, Camera, LED Lights

Paint Color: White



Year Model: 2021 TE64
VIN: 1MZTE2GC7MM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 1 of 9

MODEL DEFINING

Code	Description	Family
001AA3	TRUCK	VEHICLE TYPE
506026	6X4	NUMBER OF AXLES
51AACX	BRAND MACK	BRAND
5290TE	ALL TERRAPRO MODELS	MODEL IDENT CONDENSED
77AB4	FRONT AXLE POSITION 3000	FRONT AXLE POSITION
AA29X	MACK CAB OVER PRODUCTS	PRODUCT CLASS
ABXLX	MACK CAB OVER ENGINE, MEDIUM FLOOR HEIGHT 6'4" RIGID	PRODUCT TYPE
CA2G4X	CAB OVER ENGINE, MEDIUM CAB POSITION	VEHICLE PROFILE
DAX15X	6 WHEELS THEREOF 4 DRIVING	AXLE ARRANGEMENT
DDX15X	TRUCK TYPE (PLATFORM, TIPPER, ETC.)	CHASSIS TYPE
FYX26X	XM = 3000 MM, FRONT AXLE POS.	FRONT AXLE POSITION
LAX05X	ELECTRICAL SYSTEM 12 VOLT	VOLTAGE
M29934	TE64	MODEL CODE
M9102D	US DOLLARS	
PT10DD	OM 64R TERRAPRO	PRODUCT TYPE
US0010	TSP WITH MME BACK OFFICE PROCESS (PROBUILDER)	

MODEL DEFINING: 16 Items

VEHICLE INFO

Code	Description	Family
002A02	TERRAPRO 64R DAYCAB	CHASSIS (BASE MODEL)
005055	REFUSE FRONT LOADER TRUCK	VEHICLE USE & BODY/TRAILER TYPE
SRZ033	TERRAPRO 64R DAYCAB	
P810B1	2008-10-01	
OSCK1X	REFUSE COLLECTION BODY	
MP2001	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY	CUSTOMER FLEET SIZE
MP11Q1	TERRAPRO 64R	
MOC008	OPERATING CLASS B	
M98018	US - WARRANTY REGISTRATION LOCATION	
M45801	RETAIL OR STOCK - CUSTOM SPECIFICATIONS	ORDER TYPE REQUIREMENTS
J7DASX	PRODUCTION ORDER PLANNING, MEDIUM LEAD TIME	
FDXD1X	2 REAR AXLES, 2 DRIVEN	REAR AXLE ARRANGEMENT
DXK99X	TRUCK ONLY - NO TRAILER TOWING PROVISIONS PROVIDED	GROSS COMBINATION WEIGHT (CA)
CAR02R	90000 LB (41000 KG) GCW/GYW	CARRIER APPLICATION
APPA3	CLASS B HIGHWAY-INNER CITY	VEHICLE APPLICATION CLASS
A19099	2021 MODEL YEAR	
9PXGWX	UNITED STATES OF AMERICA	MARKET IN MAR
99X99X	FACTORY MANUFACTURE	FINAL ASSEMBLY PLANT
98X92X	NORTH AMERICA NA-PROD	MARKET+ AREA
916016	CUSTOMARY - ENGLISH UNITS	DIMENSION CONVERSION
534014	ENGLISH	LANGUAGE
505015	ALL 50 STATES, CARB ENGINE EMISSION (US17 / US21 / ZERO EMISS	INITIAL REGISTRATION LOCATION
39XELX	CERTIFICATION LABELS, USA	CERTIFICATION LABELS
38XAEK	1ST PUBLICATION LANGUAGE AMERICAN ENGLISH	FIRST PUBLICATION LANGUAGE
36XDZX	ENGLISH DECALS/SIGNS	LANGUAGES ON DECALS/SIGNS
1YAA1X	CARB REGULATIONS CERTIFICATION	USA STATE REGULATIONS
0342A4	REFUSE / LANDFILL OPERATION	
033AB0	LANDFILL LOADING AND / OR UNLOADING SURFACE	
032A39	NORMAL HIGHWAY, STARTING GRADES <12%	
022001	NO PILOT REQUESTED	PILOT INSPECTION
013001	COMMERCIAL	TYPE OF SERVICE
006AA2	SELECT AN APPLICATION	BODY TYPE/ON-OFF HWY APLN

VEHICLE INFO: 32 Items

ENGINE/TRANSMISSIONS

Code	Description	Family
08ABFX	3.00 DEGREE ENGINE CRANK ANGLE	ENGINE CRANK ANGLE
U9AD6X	2ND HIGHEST GEAR RATIO 0.76	SECOND HIGH GEAR RATIO TRANS
TOXA1X	TRANSMISSION OIL LEVEL SENSOR - ELECTRONIC	TRANSMISSION OIL LEVEL SENSOR
ROXBCK	ALLISON, HD TRANSMISSION	TRANSM. MANUFACTURER
RWX80X	6 SPEED ALLISON 4500 SERIES WITH PTO PROVISION	TRANSMISSION
RUXE1X	POWER SHIFT (AUTOMATIC TRANSM) GEAR SHIFTING	GEAR SHIFTING SYSTEM
RTX10X	HYDRAULIC TRANSMISSION	TRANSMISSION TYPE
RRXA5X	TRANSMISSION GENERATION 5, ALLISON	TRANSMISSION GENERATION
REXC1X	CRANK CASE VENTILATION OPEN EXTENDED	CRANK CASE VENTILATION
QWXA1X	TURBO BASIC DESIGN	TURBO
QPXAAX	TRANSMISSION APPLICATION BASIC	Transmission Application
QICAXX	GEAR SELECTION TUNING, BASIC	GEAR SELECTION TUNING
OBAE1X	ENGINE PTO TORQUE CAPACITY 1000NM	ENGINE PTO TORQUE CAPACITY
KTXVPX	ENGINE EMISSION, LEVEL USA2017	ENGINE EMISSION CONTROL
HHXJZX	1710 NM ENGINE TORQUE (1260 FT-LB)	ENGINE TORQUE RANGES
UEV01V	1710 NM ENGINE TORQUE (1260 FT-LB)	ENGINE TORQUE RANGES



Year Model: 2021 TE64
VIN: 1M2TE2GC7MM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 2 of 9

DPXN2X	11 L. PROPRIETARY ENGINE	ENGINE TYPE
CJKAAX	EXHAUST GAS RECIRCULATION, COOLED	EXHAUST GAS RECIRCULATION
B969A6	EPA-2017 DIESEL ENGINE W/CEGR/DPF/SCR	ENGINE EMISSIONS LEVEL
3DCCLX	COOLANT PUMP SPEED RATIO, FIXED	COOLANT PUMP SPEED RATIO
868028	HYDRAULIC TRANSMISSION	AUTOMATIC TRANSMISSION
6WAAAX	DRIVELINE POWER, DIESEL	DRIVELINE POWER TYPE
512032	ALLISON	TRANSMISSION VENDOR
503043	MACK MP7 SERIES	ENGINE GENERAL DESCRIPTION
3TAC1X	ENGINE POWER 355HP	ENGINE POWER
3GCBLX	GREEN HOUSE GAS VOCATIONAL APPLICATION	GHG APPLICATION VEHICLE
2MCA1X	GREEN HOUSE GAS COMPLETE VEHICLE & COMPLETE CERTIFICATION	VEHICLE GHG CERTIFICATION
136A56	4500 RDS, 6 SP, ALLISON RUGGED DUTY SERIES GEN 5 W/PROGNO	TRANSMISSION
1000U0	MP7-355A MACK 355HP @ 1500-1800 RPM (PEAK) 2100 RPM (GOV) 12	ENGINE
U3AD7X	HIGHEST GEAR RATIO, 0.67	HIGH GEAR RATIO (TRANSMISSION)

ENGINE/TRANSMISSIONS: 32 Items

EXHAUST/EMISSIONS

Code	Description	Family
0RAJ1X	DPF REG CONTROL, AUTO IN MOTION, MANUAL STATIONARY	REGENERATION CONTROLS, DPF
130AC7	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXH STA	EXHAUST
1LAB1X	SELECTIVE CATALYST REDUCTION, VERTICAL RH SIDE BOC	SCR ORIENTATION
5BAAXX	EXHAUST HEAT SHIELD TYPE, BASIC	EXHAUST HEAT SHIELD TYPE
78AC8X	EMISSION OBD, DISPLAY ONLY, USA2020	
9KAB1X	IDLE EMISSION CERTIFICATION, CARB 08	IDLE EMISSION CERTIFICATION
CIR02R	IDLE EMISSION CERTIFICATION, CARB 08	
DF1041	6.6 GALLON (25 L) 22" RIGHT SIDE FRAME MOUNTED	DEF TANK
DPFAA3	CLEARTECH VV DPF VERTICAL LH SIDE BACK OF CAB W/SCR VERT RH	DPF DIESEL PARTICULATE FILTER
G8BA1X	AD-BLUE TANK MFG LOG FRAME RAIL	AD-BLUE TANK MOUNTING LOCATION
K0XC4X	STRAIGHT STACK, SIDE OUTLET DIFFUSER BOX	EXHAUST STACK FEATURES
KLX01X	EXHAUST DIRECTION, VERTICAL RIGHT	EXHAUST DIRECTION
K5XC5X	SELECTIVE CATALYST REDUCTION + DIESEL PART. FILTER CERAMIC	EXHAUST AFTERTREATMENT SYSTEM
Q0AALX	STANDARD EXHAUST SYSTEM MATERIAL FINISHING	EXHAUST SYSTEM MATERIAL FINISH
T5AF1X	DIESEL PARTICULATE FILTER, VERTICAL LH SIDE BOC	DPF ORIENTATION
TOXABX	DEF TANK MATERIAL, PLASTIC	AD-BLUE TANK MATERIAL
U0XA1X	SEMI RECTANGULAR DEF TANKS FOR D1AM 56 BRACKETS	AD-BLUE TANK SHAPE
UJXBEX	DEF TANK 25 LITRE RIGHT HAND SIDE	AD-BLUE TANK RIGHT HAND SIDE
V5CC1X	OBD EMISSIONS, CONSEQUENCE 1	OBD EMISSIONS CONSEQUENCE
W4BC1X	DPF REGENERATION CONTROL SWITCH, NO INHIBIT (ONLY INITIATE)	REGENERAT CONTROL SWITCH, DPF

EXHAUST/EMISSIONS: 20 Items

ENGINE EQUIPMENT

Code	Description	Family
VHXECX	WABCO AIR DR, 1800P W/O T CUT OFF VALVE, W COALESCE OIL FILTE	AIR DRYER - MANUFACTURER
OHXCLX	OIL SUMP STEEL	OIL SUMP
Y6EAAAX	COOLANT COMPOSITION, ETHYLENE	
110AA5	MACK MP7 POWERLEASH	ENGINE BRAKE
118AB8	BEHR FAN AND ELECTRONIC MODULATING VISCOUS FAN DRIVE	FAN DRIVE
119A19	ETHYLENE GLYCOL FULLY FORMULATED COOLANT (50/50 MIX DYED PN	
124003	SILICONE W/ SPRING LOADED CLAMPS FOR BOTH RADIATOR & HEATER	HOSES - RADIATOR/HEATER
1250C5	12" SINGLE ELEMENT DRY TYPE W/ SMOKEPIL BEHIND CAB, AIR RESTR	
131AM	12 VOLT DELCO 39MT-MKT	STARTER
132AB8	DELCO 12V 165A BRUSHLESS W/ REMOTE VOLTAGE SENSING	ALTERNATOR
140AA1	ALUMINUM	FLYWHEEL HOUSING
1UAAXX	AIR CLEANER HOUSING MATERIAL, STEEL	AIR CLEANER HOUSING MATERIAL
293AA2	MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)	FUEL-WATER SEPARATOR
316AA0	(1) MACK 12V 650/1950 CCA THREADED STUD TYPE	BATTERIES
318AA3	FLAMING RIVER BIG SWITCH WIRED TO POSITIVE SIDE	BATTERY DISCONNECT SWITCH
36AE1X	TETHER DISCONNECTS OIL FILLED TANK PS REST CAPS & DPOSTX	TETHER DEVPKG CAPS & COVERS
393AD9	PERPENDICULAR TO FRAME 11" FROM NTOF (3 BATTERY MAX)	BATTERY BOX - MOUNTING
3EA81X	MAIN SWITCH, FLAMING RIVER	MAIN SWITCH MANUFACTURER
40A81X	COOLING HOSES CLAMP, GENERIC SPRING LOAD TYPE	COOLING HOSES CLAMP OPTIONS
4CCCLX	ALTERNATOR CABLE AMP RATING, LOW (UP TO 165 AMPS)	ALTERNATOR CABLE AMP RATING
4TBA1X	ENGINE BLOCK HEATER RECEPTACLE, BASIC LOCATION	ENGINE BLOCK HEATER RECEPTACLE
5NXA1X	110 VOLT / 1.5 KW ENGINE BLOCK HEATER	ENGINE BLOCK HEATER
64AA1X	ALTERNATOR MANUFACTURER-DELCO	ALTERNATOR MANUFACTURER
GBXA1X	AIR INTAKE PRE-CLEANER, DRY TYPE	AIR INTAKE PRE-CLEANER
H9KN1X	EXTRA NARROW RADIATOR WITH LENGTH 1 (60 DM2)	RADIATOR TYPE
HLX00X	SILICONE COOLANT HOSE	COOLANT HOSE
HTXK1X	COMPRESSION+EXHAUST BRAKE,VARIABLE GEOMETRI TURBO (W/O EPG)	ENGINE BRAKE TYPE
HWXA1X	WITH FILTER/CONDITIONER	COOLANT FILTER / CONDITIONER
J3XA3X	DUAL ENGINE MOUNTED FUEL FILTER, 2 STEP W. WATER SEPARATOR	FUEL FILTER SECONDARY
JAXA2X	11 DEG. C/AB COOLING CAPACITY	COOLING CAPACITY
J5XA5X	VISCOUS FAN CLUTCH, ELECTRIC CONTROLLED, LOW NOISE	FAN CLUTCH TYPE
JTXAAX	BEHR FAN CLUTCH	FAN CLUTCH MANUFACTURER



Year Model: 2021 TE64
VIN: 1M2TE2GC7MM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 3 of 9

K9XADX	ANTI-FREEZE -37C (-34F) BASIC LIFE COOLANT	COOLANT
KXB1X	MEDIUM AIR CLEANER	AIR CLEANER SIZE
L4X29K	LH SIDE BATTERY BOX, PERPENDICULAR TO FRAME, HIGH OFFSET	BATTERY BOX MOUNTING
L5XA1X	BASIC BATTERY BOX COVER	BATTERY BOX COVER
L8XJAX	3 BATTERIES, 650 CCA	BATTERY CAPACITY
L9XA1X	GENERIC BATTERY	BATTERY MANUFACTURER
MCA04A	120v 1500w BLOCK HEATER ONLY (120V-15A PLUG)	
MOXAAX	BATTERY SHOCK PADS	BATTERY ISOLATION
NCA5X	12V STANDARD STARTER DELCO 39MTHD	STARTER
NFXA0X	MECHANICAL MAIN SWITCH	MAIN SWITCH
PJXM3X	12V 165AMP W/ REMOTE SENSE	ALTERNATOR CAPACITY
QBAB1X	ONE BATTERY BOX, 3 BATTERIES MAX	B-BOX QTY AND BATT PER BOX
VVWXCAX	2 CYL 900 L/MIN COMPRESSOR	COMPRESSOR CAPACITY

ENGINE EQUIPMENT: 47 Items

CLUTCH/TRANS EQUIPMENT

Code	Description	Family
L33AA1	OMIT CLUTCH	CLUTCH
THXABX	PROPELLER SHAFT MANUFACTURER, ARVINMERITOR MXL SERIES	PROPELLER SHAFT MANUFACTURER
195AB0	MERITOR 18 MXL "XTENDED LUBE" (PROPS-L)	DRIVELINE - MAIN
204AA5	MERITOR 17 MXL "XTENDED LUBE"	DRIVELINE - INTERAXLE
4420Z7	HURINISH TCM FOR USE W/ALLISON (MD) SERIES WORLD TRANSMISS	TRANS TORQUE CONVERTER
4LDA1X	TRANSMISSION OUTPUT TORQUE BASIC	
76AA1X	PROPELLER SHAFT MAIN UNIVERSAL JOINT HALF-ROUND TYPE	PROPELLER SHAFT MAIN UNIV JOINT
77AA1X	PROP SHAFT DIMENSION, INTERAXLE, SMALL	PROP SHAFT DIMENSION INTERAXLE
7RKA5X	SYNTHETIC OIL IN TRANSMISSION, TRANSYND 40-10	LUBRICANTS - TRANSMISSION
8WAAAX	PROP SHAFT INTERAXLE, UNIV JOINT HALF-ROUND TYPE	PROP SHAFT INTERAXL UNIV JOINT
904014	HALF-ROUND	DRIVESHAFT UNIVERSL JOINT
K1DA1X	TRANSMISSION OIL PROPERTIES, BASIC	TRANSMISSION OIL PROPERTIES
RCXB1X	ALUMINUM BELL HOUSING	BELL HOUSING
RVGSLX	GEAR SHIFTING, BASIC	GEAR SHIFT LEVER
SLA054	TRANSYND SYNTHETIC LUBE	SYNTHETIC LUBRICANT - TRANSMISSION
T2XD1X	HYDRAULIC TRANSMISSION OIL COOLER, WATER/OIL	TRANSMISSION/RETARDER COOLER
239AA7	ALLISON TRANSMISSION W/DIRECT MOUNT COOLER	TRANSMISSION OIL COOLER

CLUTCH/TRANS EQUIPMENT: 17 Items

FRONT AXLE EQUIPMENT

Code	Description	Family
0KXA1X	BASIC MATERIAL HUB (STEEL/CAST IRON), FRONT	HUB MATERIAL, FRONT
ZGXC1X	HUBCAP, FRONT, BASIC	FRONT HUBCAP TYPE
1KAA1X	SHOCK ABSORBER, FRONT	SHOCK ABSORBER, FRONT
240AA3	22000W (5100 KG) MACK P120, WIDE PIVOT CENTER STRAIGHT SPIND	FRONT AXLE
2410B1	MERITOR "S" CAM TYPE 16.5" x 6" Q+	BRAKES - FRONT
244AC3	MACK MULTILEAF 22000W (5100 KG) GROUND LOAD RATING, EQUAL BI	SPRINGS - FRONT
245AB3	SHEPPARD XD120 STEERING GEAR (RATIO 23:1)	STEERING
25AA1X	BUMP STOP, FRONT SUSPENSION, FRAME MTD	BUMP STOP, FRONT SUSPENSION
385A1X	DOUBLE ACTING TYPE	SHOCK ABSORBERS - FRONT
496001	SINGLE FRONT AXLE	
7VXC1X	PETROLEUM/SYNTHETIC (50/50) OIL FRONT AXLE	
FTXD1X	LOW GROUND CLEARANCE-HIGH DIFSET	GROUND CLEARANCE F.A.
FUXC1X	FRONT AXLE, UNIT BEARING	FRONT AXLE CONCEPT
FVMH1X	FRONT AXLE LOAD 9.1 TONNES (20000 LBS)	FRONT AXLE LOAD
FWXA1X	FRONT AXLE	FRONT AXLE MANUFACTURER
FOXG1X	1 x 9.1 TONNES, FRONT AXLE	FRONT AXLE TYPE CAPACITY
FZXA1X	1 FRONT AXLE, 0 DRIVEN	FRONT AXLE ARRANGEMENT
K4AAAX	BASIC (NO OPTION) SPINDLE NUTS, FRONT	
LQXA9X	BRAKE LINING MATERIAL, FRONT, MERITOR / R403	BRAKE LINING MATERIAL FRONT
OSBE1X	FRONT BRAKE CHAMBER 3050 INCHES (SERVICE)	FRONT BRAKE CHAMBER SIZE
SL69A6	FACTORY OPTION FRONT WHEEL BEARINGS LUBRICANT	
U0AA1X	FRONT BRAKE ADJUSTMENT, AUTOMATIC HALDEX	FRONT BRAKE ADJ. MANUFACTURE
U3XA1X	FRONT BRAKE, CAST IRON BRAKEDRUM	BRAKE, FRONT
U5XB1X	BRAKE LINING 150MM, FRONT	BRAKE DIMENSION, FRONT
UDXZ1X	FRONT BRAKES WITHOUT DUST SHIELDS	FRONT AXLE BRAKE DUST SHIELD
V4AA1X	FRONT WHEEL BRAKE TYPE, "S" CAM (CAST)	WHEEL BRAKE TYPE, FRONT
V7AD1X	FRONT BRAKE CHAMBER MANUFACTURER, MGM	FRONT BRAKE CHAMBER MFG.
XBAA1X	FRONT WHEEL BRAKE MANUFACTURER, MERITOR	WHEEL BRAKE MANUFACTURE, FRONT
XAXABX	STEERING GEAR RATIO 23.0, FIXED	STEERING GEAR RATIO
YFXB1X	MULTILEAF SPRING, FRONT	FRONT SPRING TYPE
YKXA1X	LEAF (MECHANICAL) SUSPENSION, FRONT	FRONT SUSPENSION SYSTEM
1BXBDX	FAG SCHAFFLER FRONT HUB OIL SEAL	HUB OIL SEAL, FRONT

FRONT AXLE EQUIPMENT: 32 Items

REAR AXLE EQUIPMENT

Code	Description	Family
256AA3	POWER DIVIDER LOCKOUT W/WARNING LIGHT AND BUZZER (INCLUDES I	POWER DIVIDER LOCKOUT



Year Model: 2021 TE64
VIN: 1M2TE2GCTMM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 4 of 9

269050	50" AXLE SPACING (BOGIE WHEELBASE)	
2AAABX	REAR SPRING INSULATOR, URETHANE	REAR SPRING INSULATOR MAT'L
300AD0	MGM TR-T TAMPER-RESISTANT BRAKE CHAMBERS	SPRING BRAKE CHAMBERS - VENDOR
329029	TRANSVERSE TORQUE ROD (REAR AXLE ONLY)	TRANSVERSE TORQUE RODS
38AJCX	MACK TANDEM CARRIER CRD150/151	REAR AXLE DIFF CARRIER TYPE
3GAA1X	BRAKE CHAMBER DIAPHRAGM, BASIC	BRAKE CHMBR DIAPHRAGM MATERIAL
3LAC1X	DIFFERENTIAL LOCK SWITCH, BUZZER & LIGHT	DIFFERENTIAL LOCK SWITCH
402AA3	SPRINGS, ANTI-SWAY	SPRINGS - ANTI-SWAY
4AAA1X	REAR SUSPENSION MANUFACTURER, MACK	REAR SUSPENSION DESIGN
511011	CAM	REAR BRAKE TYPE
69AAAM	BENDIX WITHOUT TRACTION CONTROL	ANTI-LOCK BRAKE SYSTEM
6GAAX	DRV AXL SPNDL LOAD RATING R SRIES (23.6T TAND 11.8T SING)	DRIVE AXLE SPINDLE LOAD RATING
6MAA1X	REAR AXLE CASING WIDTH, STANDARD	REAR AXLE CASING WIDTH
717AB1	45/4M SYSTEM REAR WHEEL END SENSORS	ABS SENSOR/CHANNL OPTION
7VXA1X	PETROLEUM OIL IN REAR AXLE	LUBRICANTS REAR AXLE
8820B2	46000 LB. 20900 KG.	REAR AXLE RATING
883033	INTEGRATED TYPE	REAR AXLE SPINDLE NUT
888038	PDLO	PDLO
979019	FACTORY OPTION WELD ON ABS	WELD ON ABS BLOCK OPTION
9GAAX	ABS 4 SENSORS & 4 MODULATORS (FRONT & REAR AXLES)	ABS SENSOR & MODULATOR
F1XK1X	REAR AXLE LOAD 21 TONNES (46000 LBS)	REAR AXLE LOAD
F2XACX	2 AXLE, 2 DRIVE, MACK SS (SPRING SUSP)	REAR AXLE INSTALLATION
GWXABX	BOGIE SPREAD, 1270MM (50.0")	BOGIE SPREAD, REAR
MAXCAX	BRAKE LINING MATERIAL, DRIVE, FED MOGUL ABEX 931-162/R301	BRAKE LINING MATERIAL DRIVE
N2AE1X	SPINDLE NUTS, MAIN AXLE, INTEGRATED	SPINDLE NUTS, MAIN AXLE
O6ABX	21 TONNES, REAR SUSPENSION CAPACITY (46000 LBS)	REAR SUSPENSION CAPACITY
R1XK1X	DOUBLE REDUCTION REAR AXLE, MACK	REAR AXLE TYPE
R2XBDX	TANDEM AXLE 20.9T, GCW68T, D RED, MACK (\$440/\$462)	REAR AXLE
R3XA1X	CAST REAR AXLE CASING	REAR AXLE CASING TYPE
R6XB1X	REAR AXLE CASING, HEAVY DUTY	REAR AXLE CASING DUTY RATING
R9XA1X	REAR AXLE DIFF CARRIER HOUSING MATERIAL, IRON	DIFFERENTIAL HOUSING MATERIAL
SL3013	FACTORY OPTION LUBE - REAR AXLE	LUBRICANT - TANDEM REAR AXLE
TAX2CX	RATIO 5.14 REAR AXLE	REAR AXLE RATIO
TUXG1X	DIFFERENTIAL LOCK BETWEEN WHEELS, FRONT & REAR DRIVE AXLES	DIFFERENTIAL LOCK
U1AA1X	REAR BRAKE ADJUSTMENT, AUTOMATIC HALDEX	REAR BRAKE ADJ MANUFACTURE
U4XA1X	BRAKE DRIVE, REAR, CAST IRON BRAKEDRUM	BRAKE, DRIVE, REAR
U8XB1X	BRAKE LINING 200MM, DRIVE	BRAKE DIMENSION, DRIVE
UEQZ1X	REAR DRIVE BRAKES WITHOUT DUSTSHIELDS	DRIVE AXLE BRAKE DUST SHIELD
UGXA1X	AUXILIARY PARK TWO EXTRA PARKING BRAKE CHAMBERS	AUX PARKING BRAKE CHAMBERS
UJXA1X	HIGH MOUNTED BRAKE CYLINDER	BRAKE CYL LOCATION
UJXA1X	BASIC LENGTH STROKE	BRAKE CYLINDER STROKE LENGTH
UPXADX	MGM PARK BRAKE CHAMBER TR-T	PARK BRAKE CHAMBER MANUFACTURE
URXD1X	BRAKE VALVE VERSION, USA, BENDIX, WHERE POSSIBLE	BRAKE VALVE VERSION
V1AB1X	REAR BRAKE CHAMBER 30 / 30 SQ INCHES (SERVICE/EMERGENCY)	REAR BRAKE CHAMBER SIZE
V5AA1X	REAR WHEEL BRAKE TYPE, "S", CAM (CAST)	WHEEL BRAKE TYPE, REAR
WNX10X	WHEEL SENSOR ANTILOCK BRAKE SYSTEM	ANTILOCK BRAKE SYST.
WVXA1X	BENDIX ANTILOCK BRAKE	ANTILOCK BRAKE SYS MFG
X7AA1X	REAR WHEEL BRAKE MANUFACTURER, MERITOR	WHEEL BRAKE MANUFACTURER, REAR
X9XA1X	REAR SUSPENSION HEIGHT, STANDARD	REAR SUSPENSION HEIGHT
XYXB1X	REAR SUSP TRANSVERSE TORQUE RODS, REAR DRIVE AXLE	TRANSVERSE TORQUE RODS, R SUSP
XZXA1X	BRONZE BUSHINGS	REAR SUSP REAR BUSHINGS
YJXPRX	MULTI LEAF SPRING EXTRA STIFF	REAR SPRING TYPE
YLXA1X	REAR SUSPENSION SYSTEM LEAF	REAR SPRING SYSTEM
018AA6	CRDP150/151 AVAILABLE WITH OPTIONAL DRIVER CONTROLLED INTERW	CARRIER/RATIO - REAR AXLE
028018	VPT HAGERSTOWN, CRD FILE	REAR AXLE SUPPLIER, FRO
038028	REAR AXLE CASING HEAVY DUTY	RR AXLE CASING DUTY RATING
039019	16.5" DIAMETER	REAR BRAKE DIAMETER
0LX5X	IRON PRESET HUB, DRIVE, W/ INTEGRATED SPINDLE NUT	HUB MATERIAL, DRIVE
1860K6	55462 MACK MULTILEAF (CAMELBACK) 45000# - EXTRA THICK SPRING	REAR SUSPENSION - TANDEM
1CX2X	DRIVE HUB SEAL, PREMIUM	HUB OIL SEAL, DRIVE
237037	AUX SPRING BRAKE QTY. 4 CHAMBERS	SPRING BRAKE CHAMBERS - QUANTITY
253005	MERITOR - CAM 16.5"x8.0" Q+	BRAKES - REAR
254AB5	DRIVER CONTROLLED INTER WHEEL DIFFERENTIAL LOCK ALL RR AXLES	TRACTION DIFFERENTIAL

REAR AXLE EQUIPMENT: 66 Items

FRAME EQUIPMENT/FUEL TANKS

Code	Description	Family
243033	CENTER TOW CAPABILITY BASED ON BUMPER SELECTION	TOWING DEVICE - FRONT
271215	Z15"	WHEELBASE
273AA1	FULL INSIDE REINFORCEMENT, STEEL 1/4" 6.35	FRAME REINF-INSIDE
274AB2	STEEL 3/8" X 13 3/8" X 3 1/4" (CLASS 8)	FRAME RAILS
2790R9	EXTENDED-SWEEP BACK-STAINLESS CLAD ALUMINUM (INCLPAINTED)	BUMPER - FRONT
2811H1	CROSSMEMBER CONFIGURATION FOR HELI FRONT LOADER BODY PER DW	



Year Model: 2021 TE64
VIN: 1MZTE2GCTMM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 5 of 9

Code	Description	Family
2HXD1X	MUDFLAP, FRONT AXLE, BASIC (NO ANTI-SPRAY) SHORT	MUDFLAP, FRONT AXLE
2RAA2X	BASIC FUEL LEVEL SENDER MOUNTED ON RH TANK	FUEL LEVEL SENDER UNIT
374098	98"	AF (OVERHANG)
4DXP3X	BUMPER, ST STL CLAD ALUM EXT., PAINTED CENTRAL TOW PIN	FRONT BUMPER
4EXD1X	ONE PIN TOWING DEVICE, FRONT	TOWING DEVICE, FRONT
5EXF1X	GUARD - RADIATOR	GUARD, UNDER FRONT
7TXFLX	RUST PROTECTION BETWEEN FRAME RAILS AND LINERS	RUST PROTECTION, ADDITIONAL
852072	FOR RH FUEL TANK	FILLER NECK SCREENS
8EXB1X	STEEL INTERMEDIATE CROSSMEMBER	INTERMEDIATE X-MEMBER MATRL
9MAA1X	FUEL TANK FILLER PIPE EXTENDED DIAMETER (3")	FUEL TANK FILLER PIPE SIZE
A0XJ5X	FRONT FRAME LENGTH 1187MM	FRONT FRAME LENGTH
AXXASX	1 AUX CROSSMEMBER SINGLE CHANNEL	AUX CROSSM IN REAR OVERHANG
B2B01B	FURNISH RUST PROTECTION BETWEEN FRAME RAILS AND LINERS	FRAME RUST PREVENTATIVE
F3KCUX	XM = 7825 MM, REAR AXLE POS	REAR AXLE POSITION
H8XJ7X	FUEL TANK POSITION 36 - FUEL TANK(S) 1515MM (60") FROM CENTER	FUEL TANK POSITION
J6XA1X	WITH FUEL TANK SCREEN	FUEL TANK FILTER
J9XCRX	RHS FUEL TANK, 300L (80 US GAL)	FUEL TANK, RIGHT HAND SIDE
JHXB1X	FUEL HOSES, WIRE BRAIDED	FUEL HOSES
K8XB6X	FUEL TANK, RECTANGULAR, HEIGHT 610MM (26")	FUEL TANK SHAPE
KDXA1X	SINGLE MOUNTED FUEL TANK (FUEL OR REFUEL)	FUEL TANK MOUNTING
KEKA1X	FUEL TANK MATERIAL, ALUMINUM	FUEL TANK MATERIAL
OAXG5X	BACK OF CAB & INTERMEDIATE XMBRS FOR REAR FRONT LOADER BODY	
Q5AA1X	REAR CROSSMEMBER, STRAIGHT FRAME END (BASIC)	REAR CROSSMEMBER OPTIONS
Q8XB1X	ACKERMAN SETTING 2.4MB (4807.5MM) 1592 MM (159.2 INCHES)	ACKERMAN SETTING
R0AZ1X	NOT POLISHED FUEL TANK	FUEL TANK FINISH
V6AC1X	FUEL TANK SUMP, RIGHT SIDE	FUEL TANK SUMP
XDXATX	FRAME FLANGE WIDTH 825MM (32.5")	FRAME FLANGE WIDTH
X8XB1X	STEEL FORWARD REAR SLIP- CROSSMEMBER	FORW REAR SLIP, X-MEMBER MTRL
YAXFLX	9.5 MM THICK FRAME	FRAME SECTION
YBXJ1X	FRAME RAIL, EXTERNAL HEIGHT 340MM (13.38")	FRAME RAIL SECTION HEIGHT
YDXC2X	REAR FRAME LENGTH, 3125 MM	REAR FRAME LENGTH
Z3XB3X	LINER, FUEL VERSION 3 (6.35MM THICKNESS) (25" THICKNESS)	FRAME INNER LINER
ZDXA1X	CROSSMEMBER, BOGIE, STEEL	CROSSMEMBER, BOGIE, MATERIAL

FRAME EQUIPMENT/FUEL TANKS: 41 Items

AIR/BRAKE

Code	Description	Family
L1AAAX	PARKING BRAKE VALVE, 1 YELLOW XVOB, ALL PARKING	PARKING BRAKE VALVE
75AAAX	BODY BUILDER, AIR PREPKIT, 7 AIR LINES, CAB TO RS FRAME	BODY BUILDER, AIR PREP KIT
K0XCHX	AIR DRYER POSITION ACC TO CUSTOMER REQUIREMENTS	
MCXEDX	CHASS PACK CONFIG 153, AIR TANKS ARRANG ACC TO CUSTOMER REQ	
U2XB1X	STEEL AIRTANK	AIRTANK MATERIAL
UWKE1X	AUTO DRAIN VLV, HEATED, LANYARDS ON BRAKE SYS TANKS	AIRTANK DRAIN VALVE

AIR/BRAKE: 6 Items

ELECTRICAL

Code	Description	Family
312AA1	(7) MARKER AND CLEARANCE	IDENTIFICATION/CLEARANCE LIGHTS
38CA1X	SIDE INDICATOR LAMP TYPE BASIC	SIDE INDICATOR LAMP TYPE
3UAALX	ROOF LAMP, FLAT, GENERIC	ROOF LAMP STYLE & MFG
3VAALX	ROOF LIGHT BULB, INCANDESCENT	ROOF LIGHT BULB
L8XR1X	ELECTRICAL SYSTEM BRIDGE PLATE (63V, 15SPINS)	
L1XABX	HEADLAMP BULB TYPE, HALOGEN	HEADLIGHT LAMP TYPE
L5XG6X	ORL WHEN PARKING BRAKE OFF	LOW BEAM
LVO40X	SYMMETRIC HEAD LAMP	TRAILER CONVERTER 24V/12V
M4XAAX	AUX POWER OUTLET, 12V DOGHOUSE	AUX POWER OUTLET, INTERIOR
NEXCLX	TAIL LAMP, MULTIPURPOSE	TAIL LAMPS
PAXC0X	ALL CIRCUITS FUSE/BREAKER PROTECTED	CIRCUIT PROTECTION
Q8CH1X	CHASSIS WIRING HARNESS CASING, HEAVY DUTY	CHASSIS WIRING HARNESS CASING

ELECTRICAL: 12 Items

TRAILER CONNECTIONS

Code	Description	Family
4BAA1X	EXTERIOR INDICATOR LAMP, MAIN SWITCH, BASIC	EXT. INDICATOR LMP, MAIN SWITCH

TRAILER CONNECTIONS: 1 Items

PTO

Code	Description	Family
189A19	PREP KIT FOR EXTENDED SHAFT PTO	PTO - REAR MOUNTED
L3XN1X	ControlLink III BODY BUILDER EL PREP KIT, REFUSE, HP170 ELEC	
T4X1PX	PTO TRANS MTD REAR, PREP KIT, PARKER-HANFON 890/891 SERIES	PTO TRANS. MOUNTED

PTO: 3 Items

SPECIALTY EQUIPMENT

Code	Description	Family
8FXJ1X	UNIFORM LOAD NO ADAPTATION	TRANSPORT ADAPTATION

SPECIALTY EQUIPMENT: 1 Items



Year Model: 2021 TE64
VIN: 1M2TE2GCTMM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 6 of 9

CAB INTERIOR (A THRU G)

Code	Description	Family
145AA1	TINTED WINDSHIELD & SIDE WINDOWS & REAR WINDOW (IF EQUIPPED)	GLASS - CAB WINDOW
173AB3	MAC'S INTEGRAL W/HEATER (COMBO HEATER/AIR CONDITIONER UNIT)	AIR CONDITIONING/HEATER
19804B	U.S. UNITS (PREDOMINANT)	GAUGES - METRIC
214034	TRANSMISSION GAUGE AND TRANS. OIL HIGH TEMPERATURE LIGHT	GAUGE-TRANS OIL TEMP
22X25X	TINTED WINDOW GLASS	GLASS COLOUR
31XABX	FLOOR MAT, RUBBER	FLOOR MATS
4AX81X	MANUAL CONTROLLED CLIMATE CONTROL AIR CONDITION	CLIMATE UNIT
ASXABX	TINTED GLASS, LOW (LEVEL OF TINTING)	REAR WINDOW FEATURES
84BAAX	GAUGES GRADUATION (EXCL. SPDM), USA UNITS	GAUGES GRADUATION (EXCL. SPDM)
EOAABX	TRANSMISSION OIL TEMP. GAUGE WITH HIGH TEMP.	GAUGE TRANS. OIL TEMP
10XAGX	DOVE LAMP, INTERIOR, DRIVER SIDE, SWITCH INCLUDED	DOVE LAMP, INTERIOR
NBXD1X	MILES/HOUR, KILOMETER/HOUR - SPEEDOM. GRADUATION	SPEEDOM. GRADUATION
PVXAZX	MECHANICAL, GRADUATED, ON FILTER	AIR RESTRICTION INDICATOR
VPXA1X	TINTED GLASS, ALL DOORS - GREEN	GLASS COLOUR DOORS

CAB INTERIOR (A THRU G): 14 Items

CAB INTERIOR (H THRU R)

Code	Description	Family
0LAA1X	AUTOMATIC AUDIO SHUTOFF, REVERSE ENGAGED	AUDIO SHUTOFF
17400M	PREMIUM STEREO, AM/FM, CD-PLAYER, WEATHER BAND	RADIO/RADIO ACCOMMODATION
1WAE1X	POWER LEAD, PLUG TYPE, HEADLAMP MTD	POWER LEADS
20KRPX	ALL CHASSIS KEYS ALIKE (H-650)	KEY TYPES FOR DOORS
21XA1X	AUX. REAR WINDOW - FIXED	AUXILIARY REAR WINDOW
2QAA1X	IGNITION TYPE, KEY	IGNITION TYPE
5GAA1X	AUX.LINE IN CONNECTOR IN AUDIO	AUX AUDIO CONNECTOR
6WXA1X	CENTER CONSOLE, BASIC	CENTER CONTROL CONSOLE
73AD1X	ANTENNA, RADIO, CAB COWL MTD, LH, SHORT RUBBER	ANTENNA, RADIO
9HAA8X	AUDIO WAVEBANDS FM 87.75-87.9-107.9 MHz; AM 530-1710 KHz	AUDIO WAVEBANDS
E3KG1X	FORWARD OVERHEAD STORAGE, RADIO SHELF, COVER, BLANK, BLANK	FORWARD OVERHEAD STORAGE
FBXC8X	RADIO, AM/FM, CD-PLAYER, MP3, WEATHER BAND	AUDIO SYSTEM

CAB INTERIOR (H THRU R): 12 Items

CAB INTERIOR (S THRU Z)

Code	Description	Family
148AA3	2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE	WINDSHIELD WIPERS
190020	FURNISH	WINDSHIELD PROTECTOR
196096	AIR-SEARS MID-BACK SEAT C-2 W/FABRIFORM CUSHIONS	SEAT - DRIVER
197057	SEARS SEATING C2 W/FABRIFORM CUSHIONS (MID BACK) NON-SUSPENS	SEAT - RIDER
1DAC1X	SEAT MFG & SERIES, DRIVER, SEARS SEATING, C2	SEAT MFG. AND SERIES, DRIVER
1EAACX	DRIVER SEAT UPHOLSTERY COLOR, BLACK	DRIVER SEAT UPHOLSTERY COLOR
1FATCX	DRIVER SEAT FEATURES, MID BACK, STD WIDTH, NO LUMBAR ADJ	DRIVER SEAT FEATURES
1GAC1X	SEAT MFG & SERIES, PASSENGER, SEARS SEATING, C2	SEAT MFG. & SERIES, PASSENGER
1HAABX	PASSENGER SEAT UPHOLSTERY COLOR, BLACK	PASSENGR SEAT UPHOLSTERY COLOR
1IAABX	PASS SEAT FEATURES, MID BACK, STD WIDTH, NO LUMBAR ADJ	PASSENGER SEAT FEATURES
2WXAAX	DIAMETER 450MM STEERING WHEEL, RUBBER GRIP, J1	STEERING WHEEL
34XB1X	FIXED PASSENGER SEAT	PASS SEAT SUPPORT
3ZKG2X	DRIVERS SEAT, AIR SUSPENDED	DRIVER SEAT SUPPORT
4850C5	FABRIFORM CLOTH, BLACK, DRIVER AND RIDER SEATS	SEAT COVERING
4PXAFX	3POINTS, DRIVER AND PASSENGER SEAT, NO HEIGHT ADJ	SEAT BELT
5820E2	LAP & SHOULDER (BOTH SEATS) ORANGE IN COLOR	SEAT BELTS/RETRACTORS
87AA1X	WINDSCREEN WIND DEFLECTOR, CAB COLOR	WINDSCREEN WIND DEFLECTR FINISH
1QAAAY	WASHER RESERVOIR, BACK POSITION	WASHER RESERVOIR POSITION
NXA1X	WIPER SWITCH, 4 POSITION	WIPER SWITCH
NPXA1X	NON CANCELLING TURN SIGNAL	TURN SIGNALS
OUC1X	SEAT BELT DRIVER SEAT, ORANGE	SAFETY BELT DRIVER SEAT
OXA2X	SAFETY BELT PASSENGER, ORANGE	SAFETY BELT PASSENGER SEAT
T2AA1X	WINDSHIELD PROTECTOR	WINDSHIELD PROTECTOR
U3CC1X	DRIVERS SEAT UPHOLSTERY, FABRIFORM CLOTH	DRIVERS SEAT UPHOLSTERY
U4CC1X	PASSENGERS SEAT UPHOLSTERY, FABRIFORM CLOTH	PASSENGERS SEAT UPHOLSTERY
YRXA1X	FIXED STEERING WHEEL	STEERING WHEEL ADJUSTMENT

CAB INTERIOR (S THRU Z): 26 Items

CAB EXTERIOR

Code	Description	Family
016AA1	Day Cab (No Sleeper)	SLEEPER BOX
0JAA1X	CAB GRAB HANDLES, OUTER AND INNER, BASIC	CAB GRAB HANDLE
144AA2	CAS31 LOW-PROFILE COE (WELDED STEEL GALVANIZED SHELL) INCLUD	CAB
1520C2	FLAT MIRROR - POLISHED ALUMINUM FINISH, HEATED, W/O LAMPS	
153AA2	BRIGHT FINISH, LH & RH, 8" DIAMETER CONVEX	MIRRORS - CONVEX TYPE CAB DOORS
154AA6	(1) BLACK TWIN TRUMPET, UNDER CAR MOUNTED	HORN - AIR
28XF1X	PAINTED GRILLE (PAINTED FRAME) SILVER	FRONT GRILLE
2CXD1X	SHORT CAB VERSION	CAB VERSION



Year Model: 2021 TE64
VIN: 1M2TE2GC7MM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 7 of 9

424014	DOORS, COMPOSITE LH SIDE ROLL UP WINDOW	DOORS
43X40X	CLOSE VIEW MIRROR, SIDE, RADIUS 400MM	CLOSE VIEW MIRROR, SIDE OF CAB
45AA3X	EXT. MIRROR HOUSING SHAPE, FLAT	EXTERIOR MIRROR HOUSING SHAPE
46AB1X	MAIN MIRROR ARMS MOUNTING, SPRING LOADED	MAIN MIRROR ARMS MOUNTING
47AA2X	MAIN MIRROR HOUSING FINISH, POLISHED ALUMINUM	MAIN MIRROR HOUSING FINISH
50AB1X	ADDTL CLOSE VIEW MIRROR FINISH, STAINLESS STEEL	ADDTL CLOSE VIEW MIRROR FINISH
54AB1X	ADDTL CLOSE VIEW MIRROR SHAPE 8 IN. DIAMETER	ADDTL CLOSE VIEW MIRROR SHAPE
65AC1X	AIR HORN, FINISH, BLACK FINISH	AUX. AIR HORN FINISH
8BAAX	EMBLEMS OPTION, COMPLETE	EMBLEMS OPTION
C7BAAX	CAB STEP PANEL PROTECTION	CAB STEP PANEL PROTECTION
FA20X	STEERING WHEEL POS. LEFT, HAND SIDE	STEERING WHEEL POS.
L30C1X	1 SINGLE ELECTRIC HORN SINGLE TONE	HORN, ELECTRICAL
L2X11X	AIR HORN UNDER CAB MOUNTED, 1 TWIN	AUX. HORN
Q2AA1X	CAB STEP, BASIC	CAB STEP VERSION
R1AA1X	LEFT SIDE DOOR, ROLL UP WINDOW	DOOR WINDOW OPTIONS, LH SIDE
R2AB1X	RIGHT SIDE DOOR, HORIZONTAL SLIDE WINDOW	DOOR WINDOW OPTIONS, RH SIDE
T4AB1X	REGULAR DR SEAT AND REGULAR (OPT) PASS SEAT	CAB SEAT CONFIGURATION

CAB EXTERIOR: 28 Items

WHEELS & TIRES

Code	Description	Family
01XC1X	DIAM 22.5 INCH, FRONT WHEEL & TIRE	WHEEL & TIRE DIAMETER FRONT
02XC1X	DIAM 22.5 INCH, DRIVE WHEEL & TIRE	WHEEL & TIRE DIAMETER DRIVE
04XC1X	WHEEL BRAND FRONT, ALCOA	WHEEL BRAND, FRONT
05XC1X	WHEEL BRAND DRIVE, ALCOA	WHEEL BRAND, DRIVE
0AXB1X	DISC WHEEL PCD 286 MM HUB PILOT	WHEEL TYPE FRONT
0BXB1X	DISC WHEEL PCD 286 MM HUB PILOT	WHEEL TYPE DRIVE
0DXA5X	DRIVE WHEEL, SAME MATERIAL & FINISH	DRIVE WHEEL MATERIAL SAME/MIXED
0GAB1X	ALUMINUM WHEEL, FRONT	WHEEL MATERIAL FRONT
0HXB1X	ALUMINUM WHEEL, DRIVE	WHEEL MATERIAL DRIVE
0PXGLX	WHEEL WIDTH 9.00 INCH	WHEEL DIMENSION FRONT
0RXE1X	WHEEL WIDTH 8.25 INCH	WHEEL DIMENSION DRIVE
15XABX	TIRE INFLATION VALVE, STANDARD	TIRE INFLATION VALVE
1JXW1X	TIRE 315/80, FRONT AXLE	TIRE DIMENSION FRONT
1KCL1X	LOAD RANGE C, FRONT TIRE	TIRE LOAD CAPACITY, FRONT
1NX2RX	TIRE 11.00, DRIVE AXLE	TIRE DIMENSION DRIVE
1RXGLX	LOAD RANGE G, DRIVE TIRE	TIRE LOAD CAPACITY, DRIVE
1TXA1X	BRIDGESTONE, FRONT TIRE	TIRE MAKE FRONT
1UXA1X	BRIDGESTONE, DRIVE TIRE	TIRE MAKE DRIVE
235095	POLISHED ALUMINUM DISC - ALL WHEELS - CONCAVE SIDE	WHEELS - POLISHED (REAR)
250AC1	ALUMINUM DISC	FRONT WHEEL TYPE
267AC1	ALUMINUM DISC	REAR WHEEL TYPE
3460B6	22.5x8.25 ALCOA ULTRA ONE ALUM DISC 10-HP, 11.25" BC, 660 CU	WHEELS - REAR
44AA1X	WHEEL FINISHING REAR, POLISHED	WHEEL FINISHING, REAR
49AA1X	WHEEL FINISHING FRONT, POLISHED	WHEEL FINISHING, FRONT
4OAB9X	BASIC, 10 HAND HOLES WHEEL STYLE, FRONT	WHEEL STYLE, FRONT
4QADB6	WHEEL RIM OFFSET, FRONT 6.94 INCHES	WHEEL RIM OFFSET, FRONT
4WCC1X	GHG STEER TIRE CATEGORY, LOW ROLLING RESISTANCE	GHG STEER TIRE CATEGORY
4XCG1X	GHG DRIVE TIRE CATEGORY, OTHER (NON-SPECIFIED)	GHG DRIVE TIRE CATEGORY
5310L1	22.5x9.00 ALCOA ULTRA ONE ALUM DISC 10-HP, 11.25" BC, 596T	WHEELS - FRONT
56A01X	4355 KG (7400 LB) WHEEL LOAD MAX, DRIVE PER WHEEL	WHEEL LOAD MAX, DRIVE PER WHEEL
57AD1X	WHEEL RIM OFFSET, DRIVE 6.60 INCHES	WHEEL RIM OFFSET DRIVE
59AD1X	BASIC, 10 HAND HOLES WHEEL STYLE, DRIVE	WHEEL STYLE, DRIVE
60AL1X	4535KG (10000LB) WHEEL LOAD MAX, FRONT PER WHEEL	WHEEL LOAD MAX, FRONT
7ECESX	INSIDE WHEEL TURNING ANGLE, 41 DEGREES	INSIDE WHEEL TURNING ANGLE (CA)
7MXDBX	492.0 REAR TIRE REVS PER MILE	REAR TIRE REVS PER MILE
80AA1X	WHEEL NUT & FINISH, BASIC, FRONT	WHEEL NUT FINISH, FRONT
9004Y0	315/80R22.5 L BRIDGESTONE M870 (20000 lbs)	
9013E1	11R22.5 G BRIDGESTONE M726 ELA (23360 lbs) (DRIVE ONLY)	TIRES BRAND/TYPE - REAR
FWT002	TWO FRONT TIRES & WHEELS	FRONT AXLE TIRE & WHEEL QUANTITY
H1EB1X	DRIVE WHEEL STUDS, LONG	
H8CB1X	TIRE SPEED LIMIT BASIC	TIRE SPEED LIMIT BASIC
N6BR0X	M870, FRONT TIRE TREAD, BRIDGESTONE, ON/OFF ROAD USAGE	
N7BR5X	M726 ELA, DRIVE TIRE TREAD, BRIDGESTONE, LONG HAUL	DRIVE TIRE TREAD
RWT008	EIGHT REAR AXLE TIRES & WHEELS	REAR AXLE TIRE & WHEEL QUANTITY

WHEELS & TIRES: 44 Items

COMMUNICATION SYSTEMS

Code	Description	Family
21CA1X	REMOTE DIAGNOSTIC SERVICES, ENABLED	REMOTE DIAG SERVICES
51BE5X	GATEWAY WITH 4G/LTE AND WLAN	TELEMATICS COMMUNICAT GATEWAYS
K4CDAX	VEHICLE UPTIME ENABLED AUTOM. SERVICE ACTIVATION SETTING1	
M30060	TELEMATICS GATEWAY, 4G/LTE AND WLAN SYSTEM WITH DIAGNOSTIC S	TELEMATIC GATEWAY (CA)
USC01X	REMOTE SOFTWARE UPGRADE ENABLED	



Year Model: 2021 TE64
VIN: 1M2TE2GC7MM005278
Order Number: 077591
Build Date:
In Service Date: 06/23/2020

Page 8 of 9

ENGINE ELECTRONICS

Code	Description	Family
A3AZ1X	ENGINE IDLE SHUTDOWN, DISABLE	IDLE SHUTDOWN
A4AAEX	5 MIN. WARM UP TIME DELAY	IDLE S/D WARM-UP TIMER
A6AABX	ENGINE IDLE SHUTDOWN TIME OVERRIDDEN IF PTO ACTIVE	IDLE S/D IF PTO ACTIVE
A8AALX	38C DEG (100F), WARM UP TEMP DELAY	IDLE S/D IF WARM-UP TEMP
B0AAAX	ENG IDLE SHUTDOWN TIME OVERRIDDEN IF TORQUE > THAN LIMIT	IDLE SHUTDOWN IF POWER > LIMIT
B1ACAX	30 SEC IDLE S/D WARNING TIME	IDLE S/D WARNING TIME
B2AZ1X	ENGINE IDLE COOLDOWN, DISABLE	ENGINE IDLE COOLDOWN
B3ABAX	ELECTRONIC HAND THROTTLE, MAX ROAD SPEED, 16 KMH (10 MPH)	EL HD THROTTLE MAX ROAD SPEED
B4ADAX	ELECTRONIC HAND THROTTLE, MIN ENGINE SPEED, 700 RPM	EL HAND THROTTLE MIN ENG SPEED
B6ACEX	ELECTRONIC HAND THROTTLE, MAX ENGINE SPEED, 2100 RPM	EL HAND THROTTLE MAX ENG SPEED
B9AABX	ELECTRONIC HAND THROTTLE, SPEED RAMP RATE, 100 RPM/SEC	EL HD THROTTLE SPEED RAMP RATE
D2AADX	AMBIENT TEMP MIN TRESHOLD, 10 DEG C, (50 DEG F)	AMBIENT TEMP MIN TRESHOLD
D3AAEX	AMBIENT TEMP MAX TRESHOLD, 27 DEG C (80 DEG F)	AMBIENT TEMP MAX TRESHOLD
K5XA2X	ENGINE PROTECTION (SHUTDOWN)	ENGINE PROTECTION SYSTEM
K7XH3X	IDLE CONTROL, 650 RPM	ENGINE IDLE CONTROL
M3CA1X	IDLE SHUTDOWN ABS TAMPER CHECK, ENABLED	IDLE S/D ABS TAMPER CHECK
W0KA1X	COOLANT TEMP, ENGINE SHUTDOWN	COOLANT TEMP, ENGINE SHUTDOWN
W0KA1X	OIL PRESSURE, ENGINE SHUTDOWN	OIL PRESSURE, ENGINE SHUTDOWN
X0AB0X	INCREASE 10 MINUTE MAXIMUM TIME	IDLE BATTERY CHECK

ENGINE ELECTRONICS: 19 Items

TRANSMISSION ELECTRONICS

Code	Description	Family
7790V9	GENERAL REFUSE SERVICE (142)	
B1EB1X	AUTO NEUTRAL SINGLE INPUT W/O SHIFT SELECTOR OVERRIDE	
E1EFLX	ALLISON GPO PACKAGE 142 REFUSE W/DUAL INPUT AUTO-NEUTRAL	
E3EAXX	ROLLING DIRECTION CHANGE INHIBIT ACTIVE	
E4EAXX	AUXILIARY FUNCTION RANGE INHIBIT ACTIVE (DATALINK)	
E5EAXX	PRIMARY CALIBRATION SHIFT SELECT MASK 6 SPEED 1ST GEAR START	
E6EAXX	SECONDARY CALIBRATE SHIFT SELECT MASK 6 SPEED 1ST GEAR START	
F5EALX	ALLISON PRESELECTED GEAR DURING ENGINE BRAKING - FOURTH, STD	
U7AA1X	TRANS. PROTECTION, ENGINE SHUT DOWN (HIGH TEMP.)	TRANSMISSION PROTECTION
X9CZ1X	ENGINE SMART TORQUE FEATURE, DISABLED	ENGINE SMART TORQUE FEATURE

TRANSMISSION ELECTRONICS: 10 Items

VEHICLE ELECTRONICS

Code	Description	Family
BRXAEX	ENG TORQUE LIMITED TO 50%, IF SPEED SENSOR TAMPER DETECTED	ENG TORQUE LIMIT SPEED SENSOR
ABRAAX	DETECTION OF SPEED SENSOR TAMPERING, ENABLE	DETECTION SPEED SENSOR TAMPRNG
E3AACX	MIN CRUISE, 32 KPH (20 MPH)	CRUISE CONTROL MIN SPEED
E5AAXX	ENG BRK ENGAGE IN CRUISE 3 MPH ABOVE SET SPEED	ENG BRK ENGAGE IN CRUISE
G1AABX	ENGINE IDLE DELAY TO START LOG, 2 MIN	ENGINE IDLE DELAY TO LOG
G2AAGX	ENGINE OVERSPEED, FUELED, TIME LOG IF ABOVE 2100 RPM	ENGINE OVERSPEED FUELED LOG
G3AAPX	VEHICLE OVERSPEED, FUELED, TIME LOG IF ABOVE 70 MPH (113 KMH)	VEHICLE OVERSPEED, FUELED, LOG
G4AAUX	VEHICLE OVERSPEED ALL COND, TIME LOG IF ABOVE 75 MPH (121 KMH)	VEHICLE OVERSPEED ALL COND LOG
G5AAHX	ENGINE OVERSPEED, ALL CONDITIONS, TIME LOG IF ABOVE 2200 RPM	ENGINE OVERSPEED, ALL COND, LOG
JCXEBX	105 KM/H ROAD SPEED LIMITER (65 MPH)	ROAD SPEED LIMITER SETTING
JDXA1X	CRUISE CONTROL	CRUISE CONTROL
JFXL1X	MAX CRUISE 105 KPH (65 MPH)	CRUISE CONTROL MAX SPEED
L1CZ1X	DISABLE POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT	PDLO ENGAGE VLS FEATURE
L2CA1X	POWER DIVIDER LOCK OUT (PDLO) ROAD SPEED LIMIT 8 KMH (5 MPH)	PDLO ENGAGED VLS
R5CZ1X	VEHICLE ASSISTANCE SERVICE DISABLED	VEHICLE ASSISTANCE SERVICE
W5AS0X	ACTIVATE ALERT AT 90% OF THE TIME/DISTANCE SETTING	MAINTENANCE DUE ALERT %
W8BAAX	WITH SERVICE ALERT	SERVICE ALERT
W3A01X	PERIODIC TRIP LOG DAY 1 OF THE MONTH	PERIODIC TRIP LOG DAY OF MONTH
X5AB1X	SERVICE INTERVALS, VOCATIONAL APPLICATION	VEHICLE APP SERVICE INTERVALS
X8CZ1X	ENGINE HIGH IDLE SPEED IN UPPER GEARS, DISABLED	HIGH IDLE SPEED UPPER GRS FEATUR
Y3CC5X	105 KM/H PEDAL ROAD SPEED LIMITER (65 MPH)	PEDAL RSL SETTING

VEHICLE ELECTRONICS: 24 Items

PTO ELECTRONICS

Code	Description	Family
F3AAEX	PTO 1ST, SINGLE SPEED SETTING, 1000 RPM	PTO1 SINGLE SPEED CONTROL RPM
F5AABX	1ST PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	PTO 1ST, MAX ROAD SPEED
F6AABX	PTO 1ST, SPEED RAMP RATE 100 RPM/SEC	PTO 1ST, SPEED RAMP RATE
F7AAPX	PTO 1ST, MAX ENGINE SPEED, 2100 RPM	PTO 1ST, MAX ENGINE SPEED
F8AAGX	PTO 1ST, ROAD SPEED LIMIT, 97 KMH (60 MPH)	PTO 1ST, ROAD SPEED LIMIT
F9AABX	PTO 1ST, MINIMUM ENGINE SPEED, 600 RPM	PTO 1ST, MINIMUM ENGINE SPEED
G0AZ1X	PTO 1ST, AUTO SET, SINGLE SPEED, DISABLE	PTO 1ST AUTO SET SINGLE SPEED
G8AABX	PTO 2ND, MINIMUM ENGINE SPEED, 600 RPM	PTO 2ND, MINIMUM ENGINE SPEED
G9AABX	PTO 2ND, SPEED RAMP RATE 100 RPM/SEC	PTO 2ND, SPEED RAMP RATE
H0AABX	2ND PTO, MAX ROAD SPEED, 10 MPH (16 KPH)	PTO 2ND, MAX ROAD SPEED



Year Model: 2021 TE64
VIN: 1MZTE2GC7MM005278
Order Number: 077591
Build Date:
In Service Date: 06/25/2020

Page 9 of 9

H7AANK PTO 2ND, MAX ENGINE SPEED, 2100 RPM
LRCLX PTO1 DECEL BUMP-DOWN 50RPM
PTO ELECTRONICS, 15 Items

PTO 2ND, MAX ENGINE SPEED
PTO1 DECEL BUMP-DOWN RPM

PAINT

Code	Description	Family
2PBHLX	1 TONE CAB	CAB PAINT TYPE
5YBZLX	HUB & DRUM PAINT PROCESS, CHASSIS COLOR	HUB & DRUM PAINT PROCESS
5ZBZLX	BUMPER PAINT PROCESS, NOT PAINTED	BUMPER PAINT PROCESS
6ABZLX	CHASSIS PAINT PROCESS, STANDARD COLOR (MACK BLACK)	CHASSIS PAINT PROCESS
6BBZLX	WHEEL PAINT PROCESS, NO CUSTOM PAINTED	WHEEL PAINT PROCESS
6JAAAX	CAB/BODY INTERIOR COLOUR, SAME AS EXTERIOR	CAB/BODY INTERIOR COLOUR
7HBZLX	FUEL TANK PAINT PROCESS, NOT PAINTED	FUEL TANK PAINT PROCESS
92Z001	CHASSIS PAINT PROCESS, STANDARD COLOR (MACK BLACK) GABZLY	CHASSIS PAINT PROCESS
924014	SOLID PAINT	PAINT TYPE- AREA A
944AA7	MACK WHITE, P9148	PAINT/VINYL STRIPING - CAB EXTERIOR
945998	NO SECOND TRUCK COLOR PROVIDED; NO COLOR	
946998	NO THIRD TRUCK COLOR PROVIDED; NO COLOR	
950AA4	SINGLE COLOR	PAINT/VINYL STRIPING - CAB EXTERIOR
951AA6	MACK BLACK (URETHANE)	PAINT - CHASSIS RUNNING GEAR
962032	SAME AS CHASSIS RUNNING GEAR	PAINT-HUBS & DRUMS-FRONT
963033	SAME AS CHASSIS RUNNING GEAR	PAINT-HUBS & DRUMS-REAR
990020	CAB PAINT SINGLE TONE	SMS CRITERIA CODE
993019	BLACK	CHASSIS COLOR FAMILY
994054	WHITE	AREA A CAB COLOR FAMILY
996AA3	PAINT - CAB URETHANE CLEAR COAT	PAINT - CAB PAINT SYSTEM
BG1061	BUG CODE 6-CHASSIS RUNNING GEAR	BUG CODE CHASSIS
BG2062	BUG CODE 7-AREA A CAB	BUG CODE AREA A CAB
MP3001	ONE PAINT COLOR ONLY 1	TOTAL PAINT COLOR QUANTITY
MPB944	SAME AS FIRST COLOR - CAB	CAB COLOR

PAINT: 24 Items

CALCULATED CODES - KAX

Code	Description	Family
3HAB1X	DOT INCOMPLETE VEHICLE CERTIFICATION	VEHICLE CERTIFICATION
4CAAPX	NUMBER OF OPTIONAL SWITCHES, 6	NUMBER OF OPTIONAL SWITCHES
542002	INCOMPLETE	VEHICLE CERTIFICATION
9JX21X	NO, THE ORDER MUST NOT BE CALCULATED (Requires CA Quote)	PROP/CALC SELECTION
TCXC1X	PROP.SHAFT DIMENSION, LARGE, SINGLE JOINT	PROP.SHAFT DIMENSION (RESULT)
TDXRCX	FIRST PROP.SHAFT LENGTH 1300	PROP.SHAFT LENGTH, FIRST AXLE
TFXP2X	MAIN PROP.SHAFT LENGTH 1275	PROP.SHAFT LENGTH, MAIN AXLE
TJXAZX	TWO PIECE PROP.SHAFTS	NUMBER OF PROP.SHAFTS
TNXC5X	PROP.SHAFT FIRST BRKT, POS 15	PROP.SHAFT FIRST BRKT VERTICAL
XMXALX	PROP. SHAFT BRACKET FIRST POSITION ANGLE BASIC 60 DEGREES	PROP. SHAFT BRKT FIRST ANGLE
Y1XB1X	RIDE HIGHT 171-190 MM, CL AXLE TO LOWER FRAME FLANGE	REAR SPRING TYPE

CALCULATED CODES - KAX: 11 Items

BASE WARRANTY & PURCHASED COVERAGES

Code	Description	Family
898003	HEAVY DUTY WARRANTY CLASSIFICATION	VEHICLE WARRANTY TYPE
M41011	WARRANTY SMARTCODE ENGINE VE11L	WARRANTY SMARTCODE ENGINE
M42012	WARRANTY SMARTCODE 2400 HP	WARRANTY SMARTCODE HP
M50030	HEAVY DUTY STANDARD BASE COVERAGE 12 MONTHS/100,000 MILES (1	US & CANADA BASIC CHASSIS COVERAGE
M51E41	ENG PLAN 2-60 MO/200K MI EXT-ENGINE COVERAGE MP7/MP8 - 450HP	
M52022	US and CANADA EQUIPPED VEHICLE EMISSION COMPONENTS COVERAGE	EMISSION COMPONENT COVERAGE
M53093	EATS 60 MO/200K MI ENGINE AFTER TREATMENT	MACK ENGINE EXHAUST AFTER TREATMENT COVERAGE
M54084	ALLISON TRANSMISSIONS (Contact Allison Transmission for stan	TRANSMISSION WARRANTY
M55035	STANDARD MACK HEAVY DUTY COVERAGE 36 MONTHS/350,000 (US&C	CARRIER & AXLE HOUSING WARRANTY
M56026	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 12	AIR CONDITIONING WARRANTY
M57047	CHASSIS TOWING 12 MO/100K MILES	CHASSIS TOWING WARRANTY
M58028	STANDARD MACK ENGINE TOWING COVERAGE 24 MONTHS/250,000 MILES	ENGINE TOWING WARRANTY
M690C9	60 MONTH GUARD DOG CONNECT WITH MACK OTA (With ASIST and Ma	
M92204	TE	

BASE WARRANTY & PURCHASED COVERAGES: 14 Items

Z - DO NOT USE - OBSOLETE

Code	Description	Family
U6AADX	ENGINE GOVERNOR TYPE MIN-MAX	ENGINE GOVERNOR TYPE

Z - DO NOT USE - OBSOLETE: 1 Items

TOTALS: 570 Items

Report Date: 10/16/2020 8:59:54 PM



Refuse and Recycling

2815 Rochester St. W. University Place, WA 98466 phone (253) 564-3212 fax (253) 566-8592

May 11, 2022

Attn: Whom It May Concern

We have worked with Keith Alexander with Ryan Truck Sales for several decades and have bought several refuse trucks from them, all with good results. We just purchased another one this week. We highly recommended them for any of your refuse truck needs.

Sincerely,

Neil Holden, Vice President
University Place Refuse Service, Inc.
253-226-9633

Waste Wheels Inc.

799B 85th Street
Amery, WI. 54001
(630) 816-8055
joe@wastewheels.com

Date 5/11/2022

To Whom It May Concern:

I have bought and sold trucks with Ryan Truck Sales for over 5 years, and all have been positive experiences. I would recommend them to others with 5 Stars.

Please feel free to reach out to me if you need anything further.

Thank You,



Joseph LeBlanc
President
Waste Wheels Inc.
630-816-8055
joe@wastewheels.com

May 12, 2022

To Whom It Concerns:

We have had a excellent relationship with Ryan Truck Sales. We have purchased trucks and all have met what they represented. They are honest, experienced and efficient in dealing with refuse equipment and trucks.

Jon Loftis
President
Reliance Truck and Equipment, LLC
Cell – 817-584-1860

Date: 5/11/2022 **BID FORM**

Submitted By: Ryan Truck Sales
Firm Name

14011 Cairo lane
Mailing Address
Dixon MO 65459
City/State/Zip

Telephone: 573-528-9226 or 360-844-9010 Keith cell

Fax:

E-Mail: Keith Alexander 3333@gmail.com

Contact: Keith Alexander

Bid Proposal

The undersigned hereby attests by signature, having examined the details in the Invitation to Bid and Bid Specifications, proposes to provide pricing and other qualifications as noted below for the purchase of 40 yard front loading garbage truck.

Total Price 325,000.00 Includes delivery to Shepherdsville, KY
prior to 7/1/2022

Warranty Attach Documentation

Availability Date 5/15/2022

The undersigned certifies under penalty of perjury that this bid in all respects is bona fide, fair and made without collusion or fraud with any other person. As used in this Section, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity. This offer shall be open to acceptance and is irrevocable for up to sixty (60) days from the bid closing date.

BID FORM SIGNATURE

[Signature]
Signature

Keith Alexander sales agent
Typed Name/Title