

Attachment B

Specifications- Truck Tractor, 56,000 GVWR

Specification No. 924-108T-56TTT-2000-1032-330

56,000 GVWR Truck, Tractor – 108" CT

56,000 GVWR truck, tractor, tandem rear axle, cab and chassis, 108" cab to tandem, new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **MINIMUM** specifications:

Truck Proposed: **Make:** _____ **Model:** _____

Non-Restrictive
Clause:

Any use of brand name or equal within this specification is to be considered a reference for the purpose of describing the standard of quality, performance, and characteristics desired. It is not intended to limit or restrict competition.

SPECIFICATIONS

GVWR: 56,000 lbs. minimum

Comply Yes/No: _____

CT Dimension: 108" clear minimum

CT Dimension: _____

Comply Yes/No: _____

Engine: 13-liter, 470-horsepower, water-cooled diesel, 1,650 ft-lbs torque, to meet current federal and EPA emission requirements

Make: _____ Model: _____

HP: _____ Torque: _____

Comply Yes/No: _____

Engine
Protection:

Unit shall have automatic engine shutdown system to include; oil pressure, oil temperature, coolant temperature, and intake manifold temperature.

Comply Yes/No: _____

Transmission: Heavy-duty 13-speed (minimum) automated manual or 6-speed fully automatic transmission or 13-speed manual, geared for highway speeds up to 72 MPH with fully loaded truck

Comply Yes/No: _____

Brakes: Full air, disc, ABS with 6S/6M configuration for front and rear axle compatibility, sized to meet all applicable state and federal safety standards for size, weight, and application of truck

Brake system specified: _____

Rotor size: _____ Caliper size: _____

No. of caliper pistons: _____ Air tank capacity: _____

Air compressor size (GPM): _____ ABS system: _____

ABS configuration used: _____

Comply Yes/No: _____

**Axle Rating and
Suspension:**

Front – 16,000 lb. minimum capacity, multi-leaf springs w/ double acting telescopic shock absorbers
– setback configuration, disc brake compatible hubs

Rear – 40,000 lb. minimum capacity or equal, to comply with requirements of rear axle, air bag
type, 52" axle spacing, in cab pressure control release valve, with inter-axle differential lock and
full locking wheel differential (anti-spin device), disc brake compatible hubs

Axle rating:

Front: _____ Rear: _____

Axle description:

Front: _____ Rear: _____

Gear ratio: _____

Comply Yes/No: _____

**Cooling
System:**

Heavy-duty, high capacity radiator, silicone hoses

Comply Yes/No: _____

Electrical:

12-volt, 160-amp alternator. Three 12-volt maintenance free batteries, 1875 CCA

Alternator:

a. Manufacturer: _____

b. Amp rating: _____

Battery size and capacity: _____

Comply Yes/No: _____

Frame:

All grade 8 bolts and hardware for assembly. Huck bolts will not be acceptable. High strength, low
alloy steel section modulus – 15.9, minimum 1,749,000 RBM

Comply Yes/No: _____

Fuel System:

100-gallon (minimum) tank capacity (any configuration) dual stage fuel filters

Number of tanks: _____

Capacity per tank: _____

Comply Yes/No: _____

DEF Tank:

13-gallon frame-mounted, minimum

Comply Yes/No: _____

Steering:

Power - integral

Comply Yes/No: _____

Driveline:

Heavy-duty main u-joint with inter-axle

Comply Yes/No: _____

Tires, Radial: Front – (2) 12R22.5, load range L, 20-ply radial, highway tread, steer tire pattern
Rear – (8) 11R22.5, load range H, 16-ply radial, on-off highway tread
Must be rated equal to or higher than axle and suspension weight specifications and rated for top governed speed of 80 MPH

Comply Yes/No: _____

Wheels: Front – (2) 22.5 x 9, 10 hole disc, steel, hub piloted
Rear – (8) 22.5 x 8.25, 10 hole disc, steel, hub piloted
Must be rated equal to or higher than axle and suspension weight specifications and rated for top governed speed of 80 MPH, disc brake compatible

Comply Yes/No: _____

Back-up Alarm: Smart alarm system which is activated upon movement of the vehicle; audible above normal outdoor and construction sounds

Comply Yes/No: _____

Cab and Equipment: Conventional-type, steel construction with fiberglass front hood and fender assembly, tilting hood and fender assembly, equipped with door pads and back of cab pads for sound deadening and insulation.

All standard equipment including, but not limited to: five cab-mounted marker lights, deluxe high-back air suspended driver seat and fixed passenger seat, high visibility orange safety belts, factory air conditioning and heater with defroster, outside assist handles both sides (if exhaust is in the way then an inside assist handle will be acceptable for the side affected), 12-volt accessory power outlet – dash mounted, all dash switches including spares shall be functional, direct reading gauges for oil pressure, water temperature and air pressure, tachometer, AM/FM Bluetooth stereo radio with hands-free option, dual air horns, warning lights and buzzers for air pressure, oil pressure and water temperature, RH and LH west coast mirrors, convex auxiliary mirrors (LH & RH), tinted glass all around, four-speed electric windshield wipers and washers with intermittent mode, tilt steering column, axle air bladder dump valve, front tow hooks, heavy-duty front bumper, tractor package providing electrical and air hookup to trailer with 12 foot lines and cables, hand control valve, breakaway valves, double check valve, circuit breaker for clearance and identification lights, and 7-wire electrical cable.

Comply Yes/No: _____

Wet Pack, Fifth Wheel 35-gallon (minimum) reservoir tank mounted on right side behind cab at frame level. Pump and wet pack kit to be capable of operating at 25 GPM at 1800 PSI, minimum.

Controls in truck to be lever console type; trailer air dump, fifth wheel slide, air tailgate. Controls to be mounted to the right of the operator's seat at a height and distance for easy access.

One tool box to be mounted on left side at frame level, behind the cab. Tool box to be 18" high x 18" deep x 24" wide. Unit to have recessed locking paddle locks and a fold down door with chain.

The fifth wheel is to be a 24" no-slack, air slide fifth wheel. The fifth wheel shall be mounted a minimum of 10" from top of fifth wheel to top of truck frame. This may be accomplished by adding a spacer.

Comply Yes/No: _____

Paint: Manufacturer's standard white

Comply Yes/No: _____

ADDITIONAL REQUIREMENTS

Service: Unit shall be delivered fully assembled ready to operate. Factory-trained dealer representative is to inspect equipment on delivery and provide receiving MDOT equipment manager with information on operational, service, and maintenance requirements.

Acknowledge Yes/No: _____

Warranty: Clearly stated terms and conditions of all manufacturer warranties shall be included with the Statement of Qualifications (SOQ). Any and all materials, specialty equipment, or accessories that prove defective in normal operation within the warranty period shall be replaced or repaired by the manufacturer free of any and all cost to MDOT, including all material, labor, and transportation costs. Warranty replacement and/or repairs shall be furnished promptly by the successful bidder within a time period not to exceed thirty days. **The bidder shall provide written assurance with the SOQ regarding warranty repairs.**

The delivering dealer will have sole warranty responsibility (**all components**) for the first ninety days after acceptance of vehicle.

The manufacturer shall provide, with SOQ, a list of warranty service locations within the State of Mississippi for all components of the vehicle (A/C, body, chassis, electrical, etc.) which may need warranty repair beyond the first ninety days.

Acknowledge Yes/No: _____

Workmanship: Workmanship throughout the vehicle shall conform to the highest standard of commercially accepted practice for the class of work and shall result in a neat and finished appearance. The design of the body and equipment which the manufacturer proposes to furnish must provide a vehicle of substantial and durable construction in all respects.

All parts shall be new. Used, reconditioned, or obsolete parts will not be accepted.

Acknowledge Yes/No: _____

Parts Availability: Dealer name and location within the State of Mississippi (if applicable):

Tests and Testing: The complete vehicle and all working and moving parts and operating devices shall be thoroughly tested and put in operating condition by the manufacturer.

Prior to acceptance of vehicle by MDOT, the manufacturer shall service and adjust vehicle for operation.

Acknowledge Yes/No: _____

Literature: Technical manuals: Operator's manual, service/maintenance manual, and parts book are to be made available in both hard copy and electronic (cd, flash drive, etc.) versions. One set of technical manuals shall be provided with each unit upon delivery. Additional manuals may be ordered at a later date.

Technical service bulletins: Successful bidder shall provide TSBs (technical service bulletins) for all equipment delivered to MDOT as they are published, regardless of the date of delivery. TSBs may be furnished in paper or electronic format, and shall be updated regularly.

The following additional information shall be provided by the vendor at time of delivery (electronically if possible):

- Manufacturer's recommended service/preventive maintenance intervals
- Recommended fluids, lubricants, and their SAE equivalents

Acknowledge Yes/No: _____

Certification: The manufacturer(s) shall furnish certification that this machine meets or surpasses current U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Regulations, U.S. Department of Transportation Federal Motor Vehicle Safety Standards (FMVSS), and any other applicable Federal regulations.

Descriptive literature shall be furnished to substantiate the details specified in SOQ.

Acknowledge Yes/No: _____

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NOTE: Any company manufacturing, up-fitting, and/or selling a finished motor vehicle in the State of Mississippi must be in compliance with the rules and regulations of the Mississippi Motor Vehicle Commission prior to the bid opening. Any licensing will be verified prior to award.

A copy of licenses as required by the Mississippi Motor Vehicle Commission may be supplied with SOQ.

Dealers License Number: _____

Manufacturers License Number (where applicable): _____

Application and contact information may be attained through the internet at <http://www.mmvc.ms.gov/>

Acknowledge Yes/No: _____

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Vehicle Title or Certificate of Origin:

Assignment:

State of Mississippi/DFA – 941

Mailing address:

Mississippi Department of Transportation, 9301
P.O. Box 1850
Jackson, MS 39215

Acknowledge Yes/No: _____

Lienholder:

Upon award, if MDOT issues a **Notice to Proceed** instead of a **Purchase Order**, the vehicle is being purchased through the State's Master Lease Purchase Program, and the following shall be shown as the **1st Lienholder on the Title Application**:

U.S. Bank National Association
Attention: Jacqueline McNeil
6810 Crumpler Blvd., Suite 200
Olive Branch, MS 38654

Lienholder Number: 90018867500

Acknowledge Yes/No: _____