



Prepared for:

Truck #



Long Life Spring's DTI Program was designed to put the power of information into truck and fleet owners' hands.

Our technologies and detailed inspections provide you with the data and trends to know where your vehicles stand, what they need, and what you can expect from them in the future.

Are your vehicles ready for the tough season ahead, or are there flaws that can cause them to fail at the wrong time during a job or project?

Don't you want to know?

That's what our DTI does. We use the best technologies and our 90+ years of experience to let you know what your truck needs right now, and we go further by telling you what your vehicle will need to perform as expected in the upcoming weeks and months when it is under pressure.

[REDACTED]

Truck # [REDACTED]

2013 Mack GU713 Tank Truck

August 30, 2021



No negative trends were found during this inspection.

Neither electronic stethoscope nor fluid analysis was performed on this vehicle during this inspection.

014679

2013 Mack GU Series Mack MP8 Diesel

[FULL VEHICLE DETAILS](#)

Manufacturer	Mack
---------------------	------

Model	GU Series
--------------	-----------

Engine Capacity	L6, 12.7L; 783 (CID); 435-534 bHP
------------------------	-----------------------------------

Vehicle Details	Truck (Incomplete Vehicle)
------------------------	----------------------------

GVWR Class	Class 8: 33,0001Lbs & Over
-------------------	----------------------------

Country	United States
----------------	---------------

Model Year	2013
-------------------	------

Engine Series	Mack MP8 Diesel
----------------------	-----------------

Fuel Type	Diesel
------------------	--------

Brake System	Air
---------------------	-----

Series	700
---------------	-----

Assembly Plant	Macungie, PA
-----------------------	--------------

DTI - Vehicle Report



Customer: _____ Vehicle: # _____
 VIN: 014679 _____ Mileage: _____

411,004

Vehicle Issues

	<u>Critical</u>	<u>Major</u>	<u>Warn</u>
Tire Air Pressure Variation			
Light River Wear on Front Tires			
Axle #3 - Brake Shoes			
Brakes - Lubrication			
Oil Pan Leak			
Serpentine Belt			
Heater Hose			
Air Filter			
Axle #3 Differential			
Driveline Lubrication			
Power Steering Fluid			
Steering Lubrication			
Front Springs			
Rear Transverse Torque Rods & Track Rods			
Suspension Lubrication			
PTO Unit			
PTO Shafts/Joints			

Comments:

- Differences of 20% + Cause Excess Wear
- Differences of 20% + Cause Excess Wear
- Low Friction Material
- Brakes not Well Lubed
- Small Leak @ Side Plug
- Green Serpentine Belt Cracking
- Blue Heater Hose Rubbing/Wearing
- Dirty
- Inspection Cover Leak (Left)
- Dry
- Level Below 'ADD' Mark
- Dry
- Shackle Pins & Bushings Worn
- Bushings Worn
- Dry
- Leak @ Output Shaft Seal
- Excess Play at Yokes

Key Trends

PTO Maintenance

General

Rating

Comments & Data:

Wheels & Tires

Individual items

Tire Air Pressure



		(Left)	(Right)
Front		(108)-----	(110)
Lift Axle		(104)-----	(95)
Axle 2		(100)(80)-----	(70)(85)
Axle 3		(76)(100)-----	(100)(92)

Tire Tread Depth



		[Left]	[Right]
Front		[14/32]-----	[14/32]
Lift Axle		[8/32]-----	[10/32]
Axle 2		[18/32][15/32]-----	[17/32][17/32]
Axle 3		[12/32][7/32]-----	[18/32][17/32]

Tire Wear - Front



River Wear - Front Tires

Tire Wear - Rear



Tire Damage



Tire Valves



Wheel (Rim)



Wheel Clamp, Stud & Nut



Wheel Seals & Hub Caps



Wheel Bearings - Front



Brakes

Individual items



Brake Shoes/Drums - Front
 Brake Shoes/Drums - Rear
 Brake Chambers & Slacks
 Brake Hoses
 Air Valves & Fittings
 Parking Brake
 Air Brake System Test
 ABS System
 Lubrication

	8/32nds
	Axle #3 - Brake Shoes Low
	Dry

Engine

Individual items

Oil Level
 Fluid Leaks
 Motor Mounts
 Decibel Log - Upper
 Decibel Log - Lower
 Oil Sample Test (Opt)

		Full. Black.
		Slight Oil Pan Leak @ Side Plug
N/A		
N/A		
N/A		

Fuel

Individual items

Fuel Smell
 Lines & Hoses
 Fuel Pump
 DEF Fluid & Filter
 Decibel Log - Fuel Pump
 Decibel Log - Injectors

		Full
N/A		
N/A		

Charging & Starting

Individual items

Battery - Load Test
 Charging System Output
 Electric Burning Smell
 Battery Terminal Corrosion
 Cables & Connections
 Operation

12.30	Volts
13.70	Volts

Cooling System

Individual items

Pulley / Bearing Noises

Anti-Freeze Smell

Radiator & Mounts

Coolant











Belts & Pulleys

Hoses & Connections

Fan

Water Pump

Decibel Log - Water Pump

	
	
	
	Full - 18 Degrees Farenheit
	Green Serpentine Belt Cracking
	 Heater Hose Rubbing & Wearing
	
	
	N/A

Filtration

Individual items







Air Filter

Fuel Filter

Fuel/Water Separator

Oil Filter

Coolant Filter

	 Filter Dirty
	
	
	
	

Exhaust & Turbo

Individual items

Exhaust Smell

Turbo Leaks







Exhaust Leaks

Exhaust Pipes & Shields

Mufflers & Stacks

Turbo Hoses & Connects

Decibel Log - Turbo

	
	
	
	
	
	
	N/A

Transmission & Clutch

Individual items

Clutch Pedal Free Play



Trans Fluid Level



Transmission Case



Transmission - Leaks



Decibel Log @ Bell Housing



Decibel Log @ Shifter



Decibel Log @ Rear Yoke



Decibel Log @ Bottom



Trans Fluid Test (Opt)



Driveline

Individual items

Differentials



Axle #3 Differential Cover Leak - Left

Shafts



U-Joints



Yokes & Nuts



Rear Axles



Carriers & Bearings



Seals



Pinion Angles



Lubrication



Dry

Decibel Log @ Diff - Right



Decibel Log @ Diff - Mid



Decibel Log @ Diff - Left



Diff - Fluid Sample (Opt)



Steering

Individual items

Lumps/Binding/Looseness

Power Steering Reservoir

Power Steering Hoses

Power Steering Fluid

Steering Gear

Steering Shafts & Connects

Tie Rod Ends

King Pins

Drag Links


Idler & Pitman Arms

Track or Tie Bar

Damper Shock

Front Axle

Lubrication

Green	
Green	
Green	
Yellow	 Fluid Below 'ADD' Mark
Green	
Green	
Green	
Green	
Green	
Green	
Green	
Green	
White	N/A
Green	
Yellow	Dry

Suspension

Individual items

Leaf Springs

Air Springs

Hanger, Pin/Bush, Shackle

Shocks


Beams & Trunnions

Pads & Bushings

Torque Rods & Bushings

Hardware

Lubrication

Green	
Green	
Yellow	Excess Play - Rear of Front Springs Shackle Pins & Bushings
Green	
White	N/A
White	N/A
Yellow	 Track Rods & Transverse Torque Rods Bushings Worn
Green	
Yellow	Dry

Lift Axle

Individual items

Tie Rod Ends

King Pins

Steering Damper (Shock)

Suspension

Lubrication

White	N/A
White	N/A
White	N/A
Green	
Green	

Frame

Individual items

- Rails & Cross Members
- Fastener, Weld & Connects
- Height - Right/Front
- Height - Left/Front
- Height - Right/Rear
- Height - Left/Rear

30.80	
30.40	
31.00	
30.80	

Lighting

Individual items

- Headlights
- Turn Signals
- Flashers
- Marker Lights
- Brake Lights
- Reverse Lights
- Backup Alarm

Air System / Compressor

Individual items



- Compressor Fluid Leaks
- Compressor Mounts/Hoses
- Compressor Air Leaks
- Air Dryer Operation
- Air Tanks
- Air Lines & Fittings
- Air Valves
- Decibel Log - Compressor

N/A	

PTO

Individual items

- PTO Unit
- Lines & Connections
- Shafts & U-Joints
- Lubrication

		Leak at Output Shaft Seal
		Excess Play - PTO Yokes

Cab

Individual items

Glass & Windshield

Mirrors

Horn

Wipers

Washers

Wiper Blades

Warning Lights

Gauges

Interior Lights

Defroster

Seat & Safety Belts

Emergency Equipment

Washer Fluid Level

Body Panels

Hinges & Latches

Bumpers

Body & Equipment

Individual items

Body & Bed

Pistons & Hydraulics

Lift/Hydraulic Operation

Attachment Hardware

Gates, Hinges & Latches

Tarp System

Mud Flaps

Fifth Wheel

Tanks & Toolboxes

Lubrication

N/A
N/A
N/A
N/A

Towing

Individual items

Receiver

Mount

Hitch

N/A
N/A
N/A