

Serial Number: WTS00145

Product Family: WHEEL TRACTOR SCRAPER

Model: 637K

SMU / Hours: 7,511

Year: 2019

SERVICE HISTORY (471 Records)

Invoice Date	Invoice Type	SMU / Hours	Description	Notes
Jun 17, 2025	Service	7,506	Travel To/from	
Jun 17, 2025	Service	7,506	Install Push Block	
Mar 05, 2025	Service	7,450	Travel To/from Machine	
Mar 05, 2025	Service	7,450	Replace Eng Oil Pan	
Feb 22, 2025	Parts			
Feb 12, 2025	Parts			
Dec 16, 2024	Service	7,278	Travel To/from	
Dec 16, 2024	Service	7,278	Repair Fuel Leak	
Dec 06, 2024	Service	7,264	Repair Fuel Leak	
Dec 06, 2024	Service	7,264	Travel To/from	
Dec 04, 2024	Service	7,232	Travel To/from Machine	
Dec 04, 2024	Service	7,232	Replace Engine Speed Sensor	
Nov 21, 2024	Service	5,208	Travel To/from	
Nov 21, 2024	Service	5,208	Repair Drive Train Oil Lines	

Nov 21, 2024	Service	5,208	Troubleshoot Transmission
Nov 21, 2024	Service	5,208	Replace Gasket/reseal Flywheel Housing
Nov 21, 2024	Service	5,208	Replace Coolant Hose/lines
Nov 21, 2024	Service	5,208	Troubleshoot Transmission
Nov 21, 2024	Service	5,208	Replace Valve Cover
Nov 21, 2024	Service	5,208	Troubleshoot Aftertreatment System
Nov 21, 2024	Service	5,208	Repair Aftertreatment System
Nov 21, 2024	Service	5,208	Clean Engine
Nov 21, 2024	Service	5,208	Remove & Install Power Pack
Nov 21, 2024	Service	5,208	Separate & Connect Transmission
Nov 18, 2024	Service	6,936	Salvage Fasteners, Cnts & Hardwr
Nov 18, 2024	Service	6,936	Replace Gasket/reseal Eng Oil Pan
Nov 18, 2024	Service	6,936	Travel To/from
Nov 18, 2024	Service	6,936	Troubleshoot Cooling Water System
Nov 18, 2024	Service	6,936	Replace Exhaust Cooler

Nov 18, 2024	Service	6,936	Replace Gasket/reseal Eng Oil Pan
Nov 18, 2024	Service	6,936	Salvage Fasteners, Cntrs & Hardwr
Nov 18, 2024	Service	6,936	Replace Exhaust Cooler
Nov 18, 2024	Service	6,936	Travel To/from
Nov 18, 2024	Service	6,936	Troubleshoot Cooling Water System
Oct 30, 2024	Service	5,208	Travel To/from
Oct 30, 2024	Service	5,208	Remove & Install Power Pack
Oct 30, 2024	Service	5,208	Replace Valve Cover
Oct 30, 2024	Service	5,208	Troubleshoot Transmission
Oct 30, 2024	Service	5,208	Repair Aftertreatment System
Oct 30, 2024	Service	5,208	Replace Coolant Hose/lines
Oct 30, 2024	Service	5,208	Clean Engine
Oct 30, 2024	Service	5,208	Repair Drive Train Oil Lines
Oct 30, 2024	Service	5,208	Separate & Connect Transmission
Oct 30, 2024	Service	5,208	Troubleshoot Transmission

Oct 30, 2024	Service	5,208	Replace Gasket/reseal Flywheel Housing
Oct 30, 2024	Service	5,208	Troubleshoot Aftertreatment System
Oct 25, 2024	Service	6,904	Replace Camera
Oct 04, 2024	Service	6,756	Travel To/from
Oct 04, 2024	Service	6,756	Repair Seat Assembly
Oct 03, 2024	Service	6,961	Training Program
Oct 03, 2024	Service	6,961	Travel To/from
Oct 03, 2024	Service	6,961	Repair Fault Code
Oct 03, 2024	Service	6,956	Troubleshoot Oil Lines
Oct 03, 2024	Service	6,956	Travel To/from Machine
Oct 03, 2024	Service	6,956	Troubleshoot Oil Lines
Oct 01, 2024	Service	6,936	Troubleshoot Cooling Water System
Oct 01, 2024	Service	6,936	Replace Exhaust Cooler
Oct 01, 2024	Service	6,936	Salvage Fasteners, Cntrs & Hardwr
Oct 01, 2024	Service	6,936	Replace Gasket/reseal Eng Oil Pan
Oct 01, 2024	Service	6,936	Travel To/from

Sep 12, 2024	Service	6,612	Travel To/from
Sep 12, 2024	Service	6,612	Troubleshoot Starting System
Sep 12, 2024	Service	6,612	Replace Alternator
Aug 23, 2024	Service	6,405	Repair Solenoid Valve
Aug 23, 2024	Service	6,405	Replace Air Line(s)/pipe
Aug 23, 2024	Service	6,405	Replace Steering Lines/hoses
Aug 23, 2024	Service	6,405	Tighten Bottom Guard
Aug 23, 2024	Service	6,405	Replace Exhaust Heat Shield
Aug 23, 2024	Service	6,405	Replace Hydraulic Fan Motor
Aug 23, 2024	Service	6,405	Clean Machine
Aug 23, 2024	Service	6,405	Repair Hoses & Lines
Aug 23, 2024	Service	6,405	Adjust Underestimated Job
Aug 23, 2024	Service	6,405	Replace Hydraulic Hoses/lines
Aug 23, 2024	Service	6,405	Transport Machine
Aug 23, 2024	Service	6,405	Replace Alternator
Aug 23, 2024	Service	6,405	Travel To/from

Aug 23, 2024	Service	6,405	Replace Crankshaft Front Seal
Aug 23, 2024	Service	6,405	Replace Drive Train Oil Lines
Aug 23, 2024	Service	6,405	Turn/reposition Fire Suppr/extg
Aug 23, 2024	Service	6,405	Replace Fuel Injection Lines
Aug 23, 2024	Service	6,405	Replace High Speed Oil Change Gp
Aug 23, 2024	Service	6,405	Adjust Underestimated Job
Aug 23, 2024	Service	6,405	Replace Air Conditioner Lines
Aug 23, 2024	Service	6,405	Adjust Parts Only
Aug 23, 2024	Service	6,405	Replace Hydraulic Hoses/lines
Aug 23, 2024	Service	6,405	Weld Ejector
Aug 23, 2024	Service	6,405	Replace Fender
Aug 23, 2024	Service	6,405	Replace Air Line(s)/pipe
Aug 23, 2024	Service	6,405	Clean Fender
Aug 23, 2024	Service	6,405	Inspect Ejector Guide Roller
Aug 23, 2024	Service	6,405	Replace Drive Train Oil Lines

Aug 23, 2024	Service	6,405	Replace Coolant Hose/lines
Aug 23, 2024	Service	6,405	Replace Draft Frame
Aug 23, 2024	Service	6,405	Replace Transmission Oil Tank
Aug 23, 2024	Service	6,405	Inspect Transmission
Aug 23, 2024	Service	6,405	Adjust Compartment Fluid Level
Aug 23, 2024	Service	6,405	Replace Engine Mount
Aug 23, 2024	Service	6,405	Adjust Underestimated Job
Aug 23, 2024	Service	6,405	Adjust Parts Only
Aug 23, 2024	Service	6,405	Replace Gasket/reseal Flywheel Housing
Aug 02, 2024	Service	6,557	Travel To/from Machine
Aug 02, 2024	Service	6,557	Repair Exhaust Leak
Jul 17, 2024	Service	6,391	Travel To/from
Jul 17, 2024	Service	6,391	Replace Serpentine Belt
May 23, 2024	Service	6,391	Travel To/from
May 23, 2024	Service	6,391	Troubleshoot Fault Code
May 07, 2024	Service	5,208	Travel To/from

May 07, 2024	Service	5,208	Repair Aftertreatment System
May 07, 2024	Service	5,208	Replace Valve Cover
May 07, 2024	Service	5,208	Troubleshoot Aftertreatment System
May 07, 2024	Service	5,208	Troubleshoot Transmission
May 07, 2024	Service	5,208	Separate & Connect Transmission
May 07, 2024	Service	5,208	Repair Drive Train Oil Lines
May 07, 2024	Service	5,208	Remove & Install Power Pack
May 07, 2024	Service	5,208	Replace Coolant Hose/lines
May 07, 2024	Service	5,208	Clean Engine
May 07, 2024	Service	5,208	Troubleshoot Transmission
May 07, 2024	Service	5,208	Replace Gasket/reseal Flywheel Housing
May 07, 2024	Service	5,208	Travel To/from
May 07, 2024	Service	5,208	Troubleshoot Transmission
May 07, 2024	Service	5,208	Repair Drive Train Oil Lines
May 07, 2024	Service	5,208	Replace Valve Cover

May 07, 2024	Service	5,208	Clean Engine
May 07, 2024	Service	5,208	Troubleshoot Aftertreatment System
May 07, 2024	Service	5,208	Repair Aftertreatment System
May 07, 2024	Service	5,208	Remove & Install Power Pack
May 07, 2024	Service	5,208	Troubleshoot Transmission
May 07, 2024	Service	5,208	Replace Gasket/reseal Flywheel Housing
May 07, 2024	Service	5,208	Replace Coolant Hose/lines
May 07, 2024	Service	5,208	Separate & Connect Transmission
Apr 30, 2024	Service	6,237	Travel To/from
Apr 30, 2024	Service	6,237	Troubleshoot Fault Code
Apr 30, 2024	Service	6,237	Repair Fault Code
Apr 23, 2024	Service	6,210	Travel To/from
Apr 23, 2024	Service	6,210	Troubleshoot Transmission
Apr 23, 2024	Service	6,210	Repair Fault Code
Apr 04, 2024	Service	5,208	Travel To/from
Apr 04, 2024	Service	5,208	Separate & Connect Transmission

Apr 04, 2024	Service	5,208	Replace Gasket/reseal Flywheel Housing
Apr 04, 2024	Service	5,208	Clean Engine
Apr 04, 2024	Service	5,208	Remove & Install Power Pack
Apr 04, 2024	Service	5,208	Repair Aftertreatment System
Apr 04, 2024	Service	5,208	Troubleshoot Transmission
Apr 04, 2024	Service	5,208	Repair Drive Train Oil Lines
Apr 04, 2024	Service	5,208	Replace Coolant Hose/lines
Apr 04, 2024	Service	5,208	Replace Valve Cover
Apr 04, 2024	Service	5,208	Troubleshoot Transmission
Apr 04, 2024	Service	5,208	Troubleshoot Aftertreatment System
Apr 01, 2024	Service	5,208	Travel To/from
Apr 01, 2024	Service	5,208	Clean Engine
Apr 01, 2024	Service	5,208	Troubleshoot Aftertreatment System
Apr 01, 2024	Service	5,208	Remove & Install Power Pack
Apr 01, 2024	Service	5,208	Replace Coolant Hose/lines

Apr 01, 2024	Service	5,208	Replace Gasket/reseal Flywheel Housing
Apr 01, 2024	Service	5,208	Separate & Connect Transmission
Apr 01, 2024	Service	5,208	Repair Drive Train Oil Lines
Apr 01, 2024	Service	5,208	Replace Valve Cover
Apr 01, 2024	Service	5,208	Troubleshoot Transmission
Apr 01, 2024	Service	5,208	Troubleshoot Transmission
Apr 01, 2024	Service	5,208	Repair Aftertreatment System
Mar 20, 2024	Service	6,237	Travel To/from
Mar 20, 2024	Service	6,237	Troubleshoot Fault Code
Mar 20, 2024	Service	6,237	Repair Fault Code
Mar 20, 2024	Service	6,237	Travel To/from
Mar 20, 2024	Service	6,237	Troubleshoot Fault Code
Mar 20, 2024	Service	6,237	Repair Fault Code
Mar 12, 2024	Service	6,091	Travel To/from
Mar 12, 2024	Service	6,091	Repair Fault Code
Feb 22, 2024	Service	6,140	Repair Fault Code
Feb 22, 2024	Service	6,140	Travel To/from

Jan 31, 2024	Service	6,058	Travel To/from
Jan 31, 2024	Service	6,058	Troubleshoot Electric Starting Motor
Jan 31, 2024	Service	6,058	Repair Eng Low Oil Pressure Ind
Jan 31, 2024	Service	6,058	Troubleshoot Eng Low Oil Pressure Ind
Jan 31, 2024	Service	6,058	Replace Electric Starting Motor
Nov 30, 2023	Service	5,989	Repair Hood Tilt Actuator
Nov 22, 2023	Service	5,947	Travel To/from
Nov 22, 2023	Service	5,947	Repair Oil Leak
Nov 13, 2023	Service	5,861	Travel To/from
Nov 13, 2023	Service	5,861	Troubleshoot Fault Code
Nov 13, 2023	Service	5,861	Repair Fault Code
Oct 24, 2023	Service	5,595	Travel To/from
Oct 24, 2023	Service	5,595	Repair Fault Code
Oct 23, 2023	Service	5,786	Travel To/from
Oct 23, 2023	Service	5,786	Replace Unit Injector
Oct 23, 2023	Service	5,786	Troubleshoot Engine
Oct 06, 2023	Service	5,776	Travel To/from

Oct 06, 2023	Service	5,776	Repair Fault Code
Oct 06, 2023	Service	5,776	Troubleshoot Fault Code
Oct 06, 2023	Service	5,740	Travel To/from
Oct 06, 2023	Service	5,740	Repair Engine
Oct 06, 2023	Service	5,740	Troubleshoot Engine
Sep 28, 2023	Service	5,559	Travel To/from
Sep 28, 2023	Service	5,559	Repair Coolant Hose/lines
Sep 28, 2023	Service	5,559	Troubleshoot Coolant Hose/lines
Sep 26, 2023	Service	5,595	Travel To/from
Sep 26, 2023	Service	5,595	Additonal Charges
Sep 26, 2023	Service	5,595	Replace Crankshaft Main Bearing
Sep 26, 2023	Service	5,595	Machine/grind/mill Cylinder Head Assembly
Sep 26, 2023	Service	5,595	Remove & Install Piston & Liner
Sep 26, 2023	Service	5,595	Pressure Test Cylinder Head Assembly
Sep 26, 2023	Service	5,595	Replace Gasket/reseal Unit Injector Sleeve
Sep 26, 2023	Service	5,595	Counterbore Liner Seat/insert

Sep 26, 2023	Service	5,595	Remove & Install Cylinder Head Assembly
Sep 26, 2023	Service	5,595	Troubleshoot Fault Code
Sep 26, 2023	Service	5,595	Adjust Eng Speed/timing Sensor
Sep 26, 2023	Service	5,595	Repair Fault Code
Sep 26, 2023	Service	5,595	Repair Oil Leak
Sep 26, 2023	Service	5,595	Replace Camshaft Bearing
Sep 14, 2023	Service	5,595	Travel To/from
Sep 14, 2023	Service	5,595	Counterbore Liner Seat/insert
Sep 14, 2023	Service	5,595	Repair Fault Code
Sep 14, 2023	Service	5,595	Replace Camshaft Bearing
Sep 14, 2023	Service	5,595	Remove & Install Piston & Liner
Sep 14, 2023	Service	5,595	Adjust Eng Speed/timing Sensor
Sep 14, 2023	Service	5,595	Repair Oil Leak
Sep 14, 2023	Service	5,595	Replace Crankshaft Main Bearing
Sep 14, 2023	Service	5,595	Remove & Install Cylinder Head Assembly

Sep 14, 2023	Service	5,595	Machine/grind/mill Cylinder Head Assembly
Sep 14, 2023	Service	5,595	Troubleshoot Fault Code
Sep 14, 2023	Service	5,595	Replace Gasket/reseal Unit Injector Sleeve
Sep 14, 2023	Service	5,595	Pressure Test Cylinder Head Assembly
Sep 01, 2023	Service	5,595	Travel To/from
Sep 01, 2023	Service	5,595	Repair Fault Code
Sep 01, 2023	Service	5,595	Travel To/from
Sep 01, 2023	Service	5,595	Repair Fault Code
Aug 29, 2023	Service	5,583	Replace Coolant Hose/lines
Aug 28, 2023	Service	5,595	Travel To/from
Aug 28, 2023	Service	5,595	Remove & Install Piston & Liner
Aug 28, 2023	Service	5,595	Adjust Eng Speed/timing Sensor
Aug 28, 2023	Service	5,595	Replace Crankshaft Main Bearing
Aug 28, 2023	Service	5,595	Machine/grind/mill Cylinder Head Assembly
Aug 28, 2023	Service	5,595	Troubleshoot Fault Code

Aug 28, 2023	Service	5,595	Replace Camshaft Bearing
Aug 28, 2023	Service	5,595	Remove & Install Cylinder Head Assembly
Aug 28, 2023	Service	5,595	Counterbore Liner Seat/insert
Aug 28, 2023	Service	5,595	Replace Gasket/reseal Unit Injector Sleeve
Aug 28, 2023	Service	5,595	Repair Oil Leak
Aug 28, 2023	Service	5,595	Repair Fault Code
Aug 28, 2023	Service	5,595	Pressure Test Cylinder Head Assembly
Jun 05, 2023	Service	5,313	Travel To/from
Jun 05, 2023	Service	5,313	Troubleshoot Cushion Hitch
May 31, 2023	Service	5,208	Travel To/from
May 31, 2023	Service	5,208	Replace Service Brake
May 24, 2023	Service	5,233	Travel To/from
May 24, 2023	Service	5,233	Troubleshoot Electric System
May 24, 2023	Service	5,233	Repair Fuse/circuit Breaker Panl
May 22, 2023	Service	5,208	Travel To/from
May 22, 2023	Service	5,208	Replace Gasket/reseal Flywheel Housing

May 22, 2023	Service	5,208	Separate & Connect Transmission
May 22, 2023	Service	5,208	Troubleshoot Transmission
May 22, 2023	Service	5,208	Repair Drive Train Oil Lines
May 22, 2023	Service	5,208	Troubleshoot Aftertreatment System
May 22, 2023	Service	5,208	Repair Aftertreatment System
May 22, 2023	Service	5,208	Troubleshoot Transmission
May 22, 2023	Service	5,208	Replace Valve Cover
May 22, 2023	Service	5,208	Clean Engine
May 22, 2023	Service	5,208	Replace Coolant Hose/lines
May 22, 2023	Service	5,208	Remove & Install Power Pack
May 19, 2023	Service	5,208	Travel To/from
May 19, 2023	Service	5,208	Repair Brake Accumulator
May 19, 2023	Service	5,208	Troubleshoot
May 19, 2023	Service	5,208	Repair Hydraulic Leak
Mar 22, 2023	Service	5,165	Repair Aftertreatment System
Feb 28, 2023	Service	5,062	Travel To/from

Feb 28, 2023	Service	5,062	Troubleshoot Engine
Feb 28, 2023	Service	5,062	Troubleshoot Engine
Feb 28, 2023	Service	5,062	Repair Engine
Feb 27, 2023	Service	5,062	Travel To/from
Feb 27, 2023	Service	5,062	Remove & Install Wheels & Tires
Feb 27, 2023	Service	5,062	Troubleshoot Hydraulic System
Feb 27, 2023	Service	5,062	Repair Electric System
Feb 27, 2023	Service	5,062	Perform Product Update On Final Drive, Bk & Wheel
Feb 27, 2023	Service	5,062	Perform Product Update On Transfer Gears
Feb 27, 2023	Service	5,062	Perform Product Update On Drive Line Brake
Feb 23, 2023	Service	5,046	Travel To/from
Feb 23, 2023	Service	5,046	Repair Brake Accumulator
Jan 25, 2023	Service	5,048	Perform Product Update On Product Link System
Jan 12, 2023	Service	4,946	Travel To/from
Jan 12, 2023	Service	4,946	Troubleshoot Steering System

Jan 12, 2023	Service	4,946	Replace Seat Assembly
Jan 12, 2023	Service	4,946	Replace Steering System
Dec 30, 2022	Service	5,043	Travel To/from
Dec 30, 2022	Service	5,043	Replace Turbocharger
Dec 21, 2022	Service	4,875	Replace Coolant Hose/lines
Dec 21, 2022	Service	4,875	Travel To/from
Dec 21, 2022	Service	4,875	Replace Hydraulic Hoses/lines
Dec 12, 2022	Service	4,709	Travel To/from
Dec 12, 2022	Service	4,709	Replace Hydraulic Hoses/lines
Dec 09, 2022	Service	4,678	Travel To/from
Dec 09, 2022	Service	4,678	Fabricate
Dec 09, 2022	Service	4,678	Remove & Install Transmission
Dec 09, 2022	Service	4,678	Recondition Transmission
Dec 09, 2022	Service	4,678	Replace Speed/horsepower Limiter
Dec 09, 2022	Service	4,678	Remove & Install Tire
Dec 09, 2022	Service	4,678	Troubleshoot Speed/horsepower Limiter

Nov 21, 2022	Service	4,713	Perform Product Update On Diesel Exhaust Fluid Pump
Nov 20, 2022	Service	4,713	Replace Diesel Exh Fluid Injector
Nov 20, 2022	Service	4,713	Travel To/from
Nov 20, 2022	Service	4,713	Repair Coolant Hose/lines
Oct 27, 2022	Service	4,713	Align Underestimated Job
Oct 27, 2022	Service	4,713	Replace Spark Plug
Oct 27, 2022	Service	4,713	Replace Diesel Exhaust Fluid
Oct 27, 2022	Service	4,713	Replace Diesel Exh Fluid Injector
Oct 27, 2022	Service	4,713	Replace Spark Plug
Oct 27, 2022	Service	4,713	Adjust Inlet/exhaust Valve
Oct 27, 2022	Service	4,713	Replace Diesel Exh Fluid Injector
Oct 27, 2022	Service	4,713	Remove & Install Diesel Particulate Filter
Oct 27, 2022	Service	4,713	Remove & Install Diesel Particulate Filter
Oct 27, 2022	Service	4,713	Travel To/from
Oct 27, 2022	Service	4,713	Replace Diesel Exh Fluid Injector

Oct 27, 2022	Service	4,713	Adjust Inlet/exhaust Valve
Oct 25, 2022	Service	4,713	Travel To/from
Oct 25, 2022	Service	4,713	Troubleshoot Aftertreatment System
Aug 22, 2022	Service	4,599	Travel To/from
Aug 22, 2022	Service	4,599	Diagnostic Test Clean Gas Induction Coole
Aug 22, 2022	Service	4,599	Replace Electric Starting Motor
Aug 22, 2022	Service	4,599	Troubleshoot Engine
Aug 22, 2022	Service	4,599	Replace Clean Gas Induction Coole
Jun 19, 2022	Service	4,425	Travel To/from
Jun 19, 2022	Service	4,425	Replace Steering Lines/hoses
May 03, 2022	Service	3,995	Travel To/from
May 03, 2022	Service	3,995	Troubleshoot Service Brake
May 03, 2022	Service	3,995	Repair Service Brake
May 03, 2022	Service	3,995	Travel To/from
May 03, 2022	Service	3,995	Troubleshoot Trans & Differential Unit
May 03, 2022	Service	3,995	Remove & Install Transmission

May 03, 2022	Service	3,995	Repair Differential
Apr 25, 2022	Service	3,986	Replace Steering Lines/hoses
Apr 25, 2022	Service	3,986	Replace Diesel Exhaust Fluid
Apr 25, 2022	Service	3,986	Perform Product Update On Expansion Tank
Apr 25, 2022	Service	3,986	Travel To/from
Apr 20, 2022	Service	3,875	Travel To/from
Apr 20, 2022	Service	3,875	Repair Coolant Hose/lines
Apr 20, 2022	Service	3,875	Replace Water Pump
Apr 19, 2022	Service	3,884	Travel To/from
Apr 19, 2022	Service	3,884	Repair Accessory Drive
Apr 19, 2022	Service	3,884	Repair Electrical System Resistr
Mar 14, 2022	Service	3,589	Travel To/from
Mar 14, 2022	Service	3,589	Repair Air Conditioner
Feb 10, 2022	Service	3,875	Travel To/from
Feb 10, 2022	Service	3,875	Repair Serpentine Belt
Feb 10, 2022	Service	3,875	Remove & Install Crankshaft Rear Seal
Feb 10, 2022	Service	3,875	Repair Engine Coolant

Feb 10, 2022	Service	3,875	Repair Flywheel Housing
Feb 10, 2022	Service	3,875	Repair Hydraulic Hoses/lines
Feb 10, 2022	Service	3,875	Repair Drive Train Oil Lines
Feb 10, 2022	Service	3,875	Repair Eng Oil Pan
Oct 04, 2021	Service	3,510	Travel To/from
Oct 04, 2021	Service	3,510	Repair Wiring Harness
Oct 04, 2021	Service	3,510	Repair Engine
Sep 14, 2021	Service	3,131	Travel To/from
Sep 14, 2021	Service	3,131	Troubleshoot Service Brake
Sep 14, 2021	Service	3,131	Repair Service Brake
Aug 31, 2021	Service	2,857	Repair Engine
Aug 31, 2021	Service	2,857	Travel To/from
Aug 30, 2021	Service	2,857	Repair Engine
Aug 30, 2021	Service	2,857	Travel To/from
Jun 29, 2021	Service	2,986	Travel To/from
Jun 29, 2021	Service	2,986	Repair Aftertreatment System
Jun 29, 2021	Service	2,986	Travel To/from

Jun 10, 2021	Service	2,782	Repair Brake Accum Charging Vlv
May 24, 2021	Service	2,800	Travel To/from
May 24, 2021	Service	2,800	Replace With Cat Reman Unit Injector
May 24, 2021	Service	2,800	Troubleshoot Machine
May 21, 2021	Service	2,800	Troubleshoot Machine
May 21, 2021	Service	2,800	Replace With Cat Reman Unit Injector
May 21, 2021	Service	2,800	Travel To/from
May 20, 2021	Service	2,857	Repair Engine
May 12, 2021	Service	3,029	Travel To/from
May 12, 2021	Service	3,029	Repair Engine
May 12, 2021	Service	3,029	Repair Engine
May 05, 2021	Service	2,986	Travel To/from
Apr 08, 2021	Service	2,857	Travel To/from
Apr 05, 2021	Service	2,782	Travel To/from
Mar 24, 2021	Service	2,800	Travel To/from
Mar 24, 2021	Service	2,800	Replace With Cat Reman Unit Injector
Mar 24, 2021	Service	2,800	Troubleshoot Machine

Mar 17, 2021	Service	2,801	Travel To/from	
Mar 17, 2021	Service	2,801	Remove & Install Unit Injector	
Feb 01, 2021	Service	2,722	Replace Drivetrain Oil Lines	Customer complaint: Transmission hose leaking Cause of failure: Crimp failure on hose end Resultant damage: Transmission hose leaking oil Repair process comments: Replaced hose that was leaking with new. checked Trans oil and ran machine to check for leaks. all Good returned machine to service. Wr 270953
Feb 01, 2021	Service	2,722	Replace Drivetrain Oil Lines	Customer complaint: Transmission hose leaking Cause of failure: Crimp failure on hose end Resultant damage: Transmission hose leaking oil Repair process comments: Replaced hose that was leaking with new. checked Trans oil and ran machine to check for leaks. all Good returned machine to service. Wr 270953
Nov 04, 2020	Service	2,387	Replace Engine Wiring Harness	Customer complaint: Machine electrical not powering up Repair process comments: Have power to fuse panel battery side, turned key On switch power fuses have power to them. Checked fuses, found ecm keyed power fuse blown. Replaced fuse, display and ecms powered up Started unit things working as should then display Went blank. Fuse blew harness not short tried another fuse, Display powered up. Was good then blew again this time shorted. Traced orange wire number 125 to the display and Ecm's in cab. Traced to key pads unplugging all ecm's and key Pads. Wire 125 still shorted to ground. Traced wire through harness going back to rear Engine chassis harness. The harness has short by fastener clamp between Engine and frame. Took clamp loose to inspect harness short went Away. Taped up and let customer operate unit till new Harness came in. Pulled old harness loose and installed new Harness. Checked operation of unit,working as it should. Wr 288163
Nov 04, 2020	Service	2,387	Replace Hydraulic Hoses/lines	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Hydraulic hoses & lines Cause of failure: Clamp broke Repair process comments: Found the clamp on the ejector Cylinder was broke Tech looked up part and ordered Looked up where the part went Traveled to jobsight Locked machine out Removed remainder of old clamp and installed new Clamp Returned machine to service Traveled to shop Wrote service report Replace clamps

Nov 04, 2020	Service	2,387	Replace Engine Wiring Harness	Customer complaint: Machine electrical not powering up Repair process comments: Have power to fuse panel battery side, turned key On switch power fuses have power to them. Checked fuses, found ecm keyed power fuse blown. Replaced fuse, display and ecms powered up Started unit things working as should then display Went blank. Fuse blew harness not short tried another fuse, Display powered up. Was good then blew again this time shorted. Traced orange wire number 125 to the display and Ecm's in cab. Traced to key pads unplugging all ecm's and key Pads. Wire 125 still shorted to ground. Traced wire through harness going back to rear Engine chassis harness. The harness has short by fastener clamp between Engine and frame. Took clamp loose to inspect harness short went Away. Taped up and let customer operate unit till new Harness came in. Pulled old harness loose and installed new Harness. Checked operation of unit,working as it should. Wr 288163
Nov 04, 2020	Service	2,387	Replace Hydraulic Hoses/lines	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Hydraulic hoses & lines Cause of failure: Clamp broke Repair process comments: Found the clamp on the ejector Cylinder was broke Tech looked up part and ordered Looked up where the part went Traveled to jobsight Locked machine out Removed remainder of old clamp and installed new Clamp Returned machine to service Traveled to shop Wrote service report Replace clamps
Aug 25, 2020	Service	1,836	Repair Wheel & Brake Assembly	Customer complaint: 2200 quail ave, fort dodge, ia, 50501, webster County Oil leak @ lh rear wheel Cause of failure: Rear brake caliper Resultant damage: Loss of oil Repair process comments: Machine was checked out and found oil leaking From lh rear wheel area. blocked up machine and Removed lh rear wheel and tire assembly. Inspected lh rear wheel and found oil leaking From the rear brake caliper piston return spring Retainer. set up tooling and pressurized both Calipers. confirmed the rear caliper only was Leaking. removed rear caliper from axle housing. Disassembled, cleaned and inspected all parts. Found the seal blown on the piston return spring Rod. assembled brake caliper with new seal kit And installed caliper on machine, torqued bolts To spec. connected lines and bled air from both Brake calipers. applied brakes and checked for Leaks, found none. installed lh rear wheel and Tire assembly and torqued bolts to spec. removed Stands and returned machine to service. Re: warranty tag # wr288353
Aug 25, 2020	Service	1,836	Travel To/from	

Aug 25, 2020	Service	1,836	Repair Wheel & Brake Assembly	Customer complaint: 2200 quail ave, fort dodge, ia, 50501, webster County Oil leak @ lh rear wheel Cause of failure: Rear brake caliper Resultant damage: Loss of oil Repair process comments: Machine was checked out and found oil leaking From lh rear wheel area. blocked up machine and Removed lh rear wheel and tire assembly. Inspected lh rear wheel and found oil leaking From the rear brake caliper piston return spring Retainer. set up tooling and pressurized both Calipers. confirmed the rear caliper only was Leaking. removed rear caliper from axle housing. Disassembled, cleaned and inspected all parts. Found the seal blown on the piston return spring Rod. assembled brake caliper with new seal kit And installed caliper on machine, torqued bolts To spec. connected lines and bled air from both Brake calipers. applied brakes and checked for Leaks, found none. installed lh rear wheel and Tire assembly and torqued bolts to spec. removed Stands and returned machine to service. Re: warranty tag # wr288353
Aug 22, 2020	Service	1,921	Troubleshoot Aftertreatment System	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot after treatment fault codes Repair process comments: Customer concern of fault codes Traveled to job sight Waited for an escort into the quarry Downloaded psr Looked up fault code 3386-3 egr temperature sensor Voltage above normal Looked up the location of the sensor Fault codes
Aug 22, 2020	Service	1,921	Replace Nitrogen Oxide Sensor	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Repair after treatment faults Cause of failure: Broken wire Repair process comments: Located the egr temperature sensor Could not access the area from the top of the Engine Removed cover under left front of cab Removed rubber divider from engine compartment and Under the cab Started the wiggle test and was moving the wiring On the sensor Wiggle test hit on the wires that plug into the Harness from the sensor Unplugged the sensor Found the wire coming out of the plug in was broke Inside and just making an intermittent Connection Cut zip ties Removed sensor Installed new sensor Installed zip ties Installed rubber divider Installed cover under cab Cleared faults Returned machine to service Traveled to shop Wrote service report Wr 287993
Aug 22, 2020	Service	1,921	Travel To/from	
Aug 22, 2020	Service	1,921	Troubleshoot Aftertreatment System	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot after treatment fault codes Repair process comments: Customer concern of fault codes Traveled to job sight Waited for an escort into the quarry Downloaded psr Looked up fault code 3386-3 egr temperature sensor Voltage above normal Looked up the location of the sensor Fault codes

Aug 22, 2020	Service	1,921	Replace Nitrogen Oxide Sensor	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Repair after treatment faults Cause of failure: Broken wire Repair process comments: Located the egr temperature sensor Could not access the area from the top of the Engine Removed cover under left front of cab Removed rubber divider from engine compartment and Under the cab Started the wiggle test and was moving the wiring On the sensor Wiggle test hit on the wires that plug into the Harness from the sensor Unplugged the sensor Found the wire coming out of the plug in was broke Inside and just making an intermittent Connection Cut zip ties Removed sensor Installed new sensor Installed zip ties Installed rubber divider Installed cover under cab Cleared faults Returned machine to service Traveled to shop Wrote service report Wr 287993
Aug 22, 2020	Service	1,933	Replace Hydraulic Hoses/lines	Customer complaint: Leaking hydraulic fluid Repair process comments: Hose for the lift cylinders to valve block blew And was leaking hydraulic fluid. when removing The blown hose noticed another hose with exposed Wires. cleaned fittings and removed clamps Holding hoses. removed the hose and cleaned the Matting surface for hoses. put new orings in both Hose ends. put back in clamps and tightened the Bolts. cleaned off the machine and started Machine and ran functions. shut machine off and Inspected for leaks. didn't see any leaks. Wr 287958 Leak
Aug 22, 2020	Service	1,933	Replace Hydraulic Hoses/lines	Customer complaint: Leaking hydraulic fluid Repair process comments: Hose for the lift cylinders to valve block blew And was leaking hydraulic fluid. when removing The blown hose noticed another hose with exposed Wires. cleaned fittings and removed clamps Holding hoses. removed the hose and cleaned the Matting surface for hoses. put new orings in both Hose ends. put back in clamps and tightened the Bolts. cleaned off the machine and started Machine and ran functions. shut machine off and Inspected for leaks. didn't see any leaks. Wr 287958 Leak
Aug 22, 2020	Service	1,933	Travel To/from	
Aug 18, 2020	Service	1,828	Replace Wiring Harness	Customer complaint: 2200 quail ave, fort dodge, ia, 50501, webster County Active fault code Cause of failure: Transmission temperature sensor wiring connector Broken Resultant damage: Active fault code 826-3 Repair process comments: Machine was checked out and found an active fault Code 826-3 for the front transmission torque Converter outlet temperature sensor. inspected Sensor and related wiring and found the wiring Connector broken. installed new amp seal Connector plug on harness and connected to Sensor. checked ecm and found the fault no longer Active. cleared fault code and returned machine To service.

Aug 18, 2020	Service	1,828	Replace Wiring Harness	Customer complaint: 2200 quail ave, fort dodge, ia, 50501, webster County Active fault code Cause of failure: Transmission temperature sensor wiring connector Broken Resultant damage: Active fault code 826-3 Repair process comments: Machine was checked out and found an active fault Code 826-3 for the front transmission torque Converter outlet temperature sensor. inspected Sensor and related wiring and found the wiring Connector broken. installed new amp seal Connector plug on harness and connected to Sensor. checked ecm and found the fault no longer Active. cleared fault code and returned machine To service.
Aug 05, 2020	Service	1,651	Repair Cushion Hitch	Customer complaint: Repair cushion hitch Cause of failure: Outdated software- 575-9029 Resultant damage: Ride control intermittently not working Repair process comments: The customer requested the repair for the ride Control intermittently not working. The operator Concerned that the ride control didn't work Intermittently. connected gauges to both Cushion hitch accumulators and checked the pre Charge pressure. the high pressure accumulator Had the correct pressure and the low pressure Accumulator was slightly low. charged the low Pressure accumulator to specs. checked the Implement ecm software and there was an updated File. the ecm was then flashed with the new Software file 588-1030. machine returned to Service with the agreement of the customer Contacting us if the problem wasn't resolved. the Customer didn't contact us.
Aug 05, 2020	Service	1,651	Repair Cushion Hitch	Customer complaint: Repair cushion hitch Cause of failure: Outdated software- 575-9029 Resultant damage: Ride control intermittently not working Repair process comments: The customer requested the repair for the ride Control intermittently not working. The operator Concerned that the ride control didn't work Intermittently. connected gauges to both Cushion hitch accumulators and checked the pre Charge pressure. the high pressure accumulator Had the correct pressure and the low pressure Accumulator was slightly low. charged the low Pressure accumulator to specs. checked the Implement ecm software and there was an updated File. the ecm was then flashed with the new Software file 588-1030. machine returned to Service with the agreement of the customer Contacting us if the problem wasn't resolved. the Customer didn't contact us.
Aug 05, 2020	Service	1,651	Travel To/from	

Jun 30, 2020	Service	1,761	Repair Cushion Hitch Load Cyl	Customer complaint: 2200 quail ave, fort dodge, ia, 50501, webster County Repair cushion hitch Cause of failure: Bail cylinder lines connected together. Resultant damage: Low hydraulic pressure Repair process comments: Customer requested service to repair cushion Hitch. installed tooling and checked accumulator Pressures. found both accumulators charged to Spec. connected et and checked ecm's for fault Codes. found no active or logged fault codes. Installed gauge and checked pump pressure, found Pressure very low. checked cushion hitch and bail Hydraulic circuit and found the bail cylinder had Been removed and the lines connected together. Reviewed hydraulic schematic and confirmed the Cylinder lines needed to be plugged off. removed Tin work to gain access to bail cylinder lines. Removed loop hose and installed orfs plugs with New seals. started machine and checked pressures. Found pump cutoff pressure slightly low @ 2650, Spec is 2710 +/- 51 psi. adjusted pump Compensator cutoff pressure to 2780 psi w/cold Oil. operated cushion hitch and checked ok. Removed gauges, installed tin work and returned Machine to service.
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Jun 30, 2020	Service	1,761	Travel To/from
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Jun 18, 2020	Service	1,451	Install Alternator	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Replace alternator belt Repair process comments: Customer concerning the alternator belt Was missing Belt broke and was gone Looked up parts and ordered Traveled to job sight Locked both lockouts on the machine Removed guard off alternator Checked the pulleys and bearings and they were all Good Tried to get ratchet in the fan belt tensioner to Remove belt off bottom pulley because alternator Belt went behind it on the pulley Could not get ratchet in place Tried to get a wrench on it and was at an odd Angle Removed fan guards to get the ratchet in the Tensioner and de tension the belt Removed fan belt off the crankshaft pulley Slid alternator belt back onto its position on the Crankshaft pulley Routed the belt onto pulleys Installed the alternator belt guard Installed fan guards Traveled to shop Wrote service report Wr 240622 Alternator belt
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Jun 18, 2020	Service	1,451	Travel To/from
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Jun 18, 2020	Service	1,451	Install Alternator	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Replace alternator belt Repair process comments: Customer concerning the alternator belt Was missing Belt broke and was gone Looked up parts and ordered Traveled to job sight Locked both lockouts on the machine Removed guard off alternator Checked the pulleys and bearings and they were all Good Tried to get ratchet in the fan belt tensioner to Remove belt off bottom pulley because alternator Belt went behind it on the pulley Could not get ratchet in place Tried to get a wrench on it and was at an odd Angle Removed fan guards to get the ratchet in the Tensioner and de tension the belt Removed fan belt off the crankshaft pulley Slid alternator belt back onto its position on the Crankshaft pulley Routed the belt onto pulleys Installed the alternator belt guard Installed fan guards Traveled to shop Wrote service report Wr 240622 Alternator belt
Jun 18, 2020	Service	1,451	Replace Fan	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Replace fan belt Repair process comments: While doing work on seg 01 the customer mentioned Fan belt to replaced things tore apart and Acknowledged that they would have to cover the Cost for that belt Slid the belt around the fan and removed belt Slid new belt around fan Positioned belt around pulleys and tensioner De tensioned tensioner and slid belt all the way On After everything was put back together the machine Was started to make sure belts were tracking Correctly Wrote service report
Jun 18, 2020	Service	1,451	Travel To/from	
Mar 03, 2020	Service	915	Repair Hydraulic System	Customer complaint: Leaking hydraulic fluid from valve block Cause of failure: Oring 5k9090 was cut Repair process comments: Seen a fitting on top of lift cylinder valve block Leaking. hose was able to move. took hose off and Replaced oring and tightened hose up Wf 215238 Oil leak
Mar 03, 2020	Service	915	Repair Hydraulic System	Customer complaint: Leaking hydraulic fluid from valve block Cause of failure: Oring 5k9090 was cut Repair process comments: Seen a fitting on top of lift cylinder valve block Leaking. hose was able to move. took hose off and Replaced oring and tightened hose up Wf 215238 Oil leak

Feb 18, 2020	Service	661	Repair Ejector Guide Roller	Customer complaint: Right ejector guide roller broke off shaft Repair process comments: Loosened locking bolt from ejector frame. spread Open to release shaft. removed old shaft. cleaned Up shaft housing. took new roller assembly apart. Lifted up on ector frame and slid to the left. Loosened left side shaft to give more free play To slide more to line up new roller. placed new Roller on frame and started shaft. pressed new Shaft into hole and put the retainer back in and Tightened bolts and put cover back on and Tightened bolts. ran machine backwards and Forwards to check for binding. didn't see any Binding tightened locking bolt. Wr 250770
Feb 18, 2020	Service	661	Repair Ejector Guide Roller	Customer complaint: Right ejector guide roller broke off shaft Repair process comments: Loosened locking bolt from ejector frame. spread Open to release shaft. removed old shaft. cleaned Up shaft housing. took new roller assembly apart. Lifted up on ector frame and slid to the left. Loosened left side shaft to give more free play To slide more to line up new roller. placed new Roller on frame and started shaft. pressed new Shaft into hole and put the retainer back in and Tightened bolts and put cover back on and Tightened bolts. ran machine backwards and Forwards to check for binding. didn't see any Binding tightened locking bolt. Wr 250770
Feb 05, 2020	Service	782	Perform Product Update On Wiring Harness	Customer complaint: Perform ps46306 Repair process comments: It was decided to perform service letter ps46306. When the machine was available this service Letter was performed according to the ps46306 (tebe9264-01). after the procedure was performed The machine was ran and drove. no fault codes Were active and the operation of the machine was Proper. the machine was then returned to service. Wr 240659 The existing cushion hitch harness can fail on Certain 631k and 637k wheel tractor-scrapers. if The existing cushion hitch harness fails it can Result in intermittent faults or loss of various Bowl and implement system functions.
Feb 05, 2020	Service	782	Perform Product Update On Final Drive, Bk & Wheel	Customer complaint: Perform ps46430 Repair process comments: It was decided to perform service letter ps46430. When the machine was available this service Letter was performed according to the ps46430 (tebe8832-00). after the procedure was performed The machine was ran and drove. the wheel hubs Were checked for any leaks. no leaks were found And the wheels spun properly. Wr 240661 The 371-9567 wheel casting, that is part of the Wheel group and final drive, on the scraper can Crack on certain 637k wheel tractor-scrapers. the 371-9567 wheel casting has a high stress area That can cause cracks to appear at the three Machining locator features on the back of the Wheel. if the 371-9567 wheel group cracks it will Leak differential/final drive oil onto the rim And the wheel. if a cracked wheel is not replaced It can cause additional damage to the wheel and Final drive group.

Feb 05, 2020	Service	782	Travel To/from	Cover the travel under policy, cheaper than paying To haul the machine to fort dodge
Feb 05, 2020	Service	782	Perform Product Update On Wiring Harness	Customer complaint: Perform ps46306 Repair process comments: It was decided to perform service letter ps46306. When the machine was available this service Letter was performed according to the ps46306 (tebe9264-01). after the procedure was performed The machine was ran and drove. no fault codes Were active and the operation of the machine was Proper. the machine was then returned to service. Wr 240659 The existing cushion hitch harness can fail on Certain 631k and 637k wheel tractor-scrapers. if The existing cushion hitch harness fails it can Result in intermittent faults or loss of various Bowl and implement system functions.
Feb 05, 2020	Service	782	Perform Product Update On Final Drive, Bk & Wheel	Customer complaint: Perform ps46430 Repair process comments: It was decided to perform service letter ps46430. When the machine was available this service Letter was performed according to the ps46430 (tebe8832-00). after the procedure was performed The machine was ran and drove. the wheel hubs Were checked for any leaks. no leaks were found And the wheels spun properly. Wr 240661 The 371-9567 wheel casting, that is part of the Wheel group and final drive, on the scraper can Crack on certain 637k wheel tractor-scrapers. the 371-9567 wheel casting has a high stress area That can cause cracks to appear at the three Machining locator features on the back of the Wheel. if the 371-9567 wheel group cracks it will Leak differential/final drive oil onto the rim And the wheel. if a cracked wheel is not replaced It can cause additional damage to the wheel and Final drive group.
Feb 05, 2020	Service	782	Travel To/from	Cover the travel under policy, cheaper than paying To haul the machine to fort dodge
Feb 05, 2020	Service	782	Perform Product Update On Wiring Harness	Customer complaint: Perform ps46306 Repair process comments: It was decided to perform service letter ps46306. When the machine was available this service Letter was performed according to the ps46306 (tebe9264-01). after the procedure was performed The machine was ran and drove. no fault codes Were active and the operation of the machine was Proper. the machine was then returned to service. Wr 240659 The existing cushion hitch harness can fail on Certain 631k and 637k wheel tractor-scrapers. if The existing cushion hitch harness fails it can Result in intermittent faults or loss of various Bowl and implement system functions.

Feb 05, 2020	Service	782	Perform Product Update On Final Drive, Bk & Wheel	Customer complaint: Perform ps46430 Repair process comments: It was decided to perform service letter ps46430. When the machine was available this service Letter was performed according to the ps46430 (tebe8832-00). after the procedure was performed The machine was ran and drove. the wheel hubs Were checked for any leaks. no leaks were found And the wheels spun properly. Wr 240661 The 371-9567 wheel casting, that is part of the Wheel group and final drive, on the scraper can Crack on certain 637k wheel tractor-scrappers. the 371-9567 wheel casting has a high stress area That can cause cracks to appear at the three Machining locator features on the back of the Wheel. if the 371-9567 wheel group cracks it will Leak differential/final drive oil onto the rim And the wheel. if a cracked wheel is not replaced It can cause additional damage to the wheel and Final drive group.
Feb 05, 2020	Service	782	Travel To/from	Cover the travel under policy, cheaper than paying To haul the machine to fort dodge
Feb 05, 2020	Service	782	Perform Product Update On Final Drive, Bk & Wheel	Customer complaint: Perform ps46430 Repair process comments: It was decided to perform service letter ps46430. When the machine was available this service Letter was performed according to the ps46430 (tebe8832-00). after the procedure was performed The machine was ran and drove. the wheel hubs Were checked for any leaks. no leaks were found And the wheels spun properly. Wr 240661 The 371-9567 wheel casting, that is part of the Wheel group and final drive, on the scraper can Crack on certain 637k wheel tractor-scrappers. the 371-9567 wheel casting has a high stress area That can cause cracks to appear at the three Machining locator features on the back of the Wheel. if the 371-9567 wheel group cracks it will Leak differential/final drive oil onto the rim And the wheel. if a cracked wheel is not replaced It can cause additional damage to the wheel and Final drive group.
Feb 05, 2020	Service	782	Perform Product Update On Wiring Harness	Customer complaint: Perform ps46306 Repair process comments: It was decided to perform service letter ps46306. When the machine was available this service Letter was performed according to the ps46306 (tebe9264-01). after the procedure was performed The machine was ran and drove. no fault codes Were active and the operation of the machine was Proper. the machine was then returned to service. Wr 240659 The existing cushion hitch harness can fail on Certain 631k and 637k wheel tractor-scrappers. if The existing cushion hitch harness fails it can Result in intermittent faults or loss of various Bowl and implement system functions.
Feb 05, 2020	Service	782	Travel To/from	Cover the travel under policy, cheaper than paying To haul the machine to fort dodge

Feb 05, 2020	Service	782	Perform Product Update On Wiring Harness	Customer complaint: Perform ps46306 Repair process comments: It was decided to perform service letter ps46306. When the machine was available this service Letter was performed according to the ps46306 (tebe9264-01). after the procedure was performed The machine was ran and drove. no fault codes Were active and the operation of the machine was Proper. the machine was then returned to service. Wr 240659 The existing cushion hitch harness can fail on Certain 631k and 637k wheel tractor-scrapers. if The existing cushion hitch harness fails it can Result in intermittent faults or loss of various Bowl and implement system functions.
Feb 05, 2020	Service	782	Perform Product Update On Final Drive, Bk & Wheel	Customer complaint: Perform ps46430 Repair process comments: It was decided to perform service letter ps46430. When the machine was available this service Letter was performed according to the ps46430 (tebe8832-00). after the procedure was performed The machine was ran and drove. the wheel hubs Were checked for any leaks. no leaks were found And the wheels spun properly. Wr 240661 The 371-9567 wheel casting, that is part of the Wheel group and final drive, on the scraper can Crack on certain 637k wheel tractor-scrapers. the 371-9567 wheel casting has a high stress area That can cause cracks to appear at the three Machining locator features on the back of the Wheel. if the 371-9567 wheel group cracks it will Leak differential/final drive oil onto the rim And the wheel. if a cracked wheel is not replaced It can cause additional damage to the wheel and Final drive group.
Feb 05, 2020	Service	782	Travel To/from	Cover the travel under policy, cheaper than paying To haul the machine to fort dodge
Feb 05, 2020	Service	782	Perform Product Update On Final Drive, Bk & Wheel	Customer complaint: Perform ps46430 Repair process comments: It was decided to perform service letter ps46430. When the machine was available this service Letter was performed according to the ps46430 (tebe8832-00). after the procedure was performed The machine was ran and drove. the wheel hubs Were checked for any leaks. no leaks were found And the wheels spun properly. Wr 240661 The 371-9567 wheel casting, that is part of the Wheel group and final drive, on the scraper can Crack on certain 637k wheel tractor-scrapers. the 371-9567 wheel casting has a high stress area That can cause cracks to appear at the three Machining locator features on the back of the Wheel. if the 371-9567 wheel group cracks it will Leak differential/final drive oil onto the rim And the wheel. if a cracked wheel is not replaced It can cause additional damage to the wheel and Final drive group.

Feb 05, 2020	Service	782	Perform Product Update On Wiring Harness	Customer complaint: Perform ps46306 Repair process comments: It was decided to perform service letter ps46306. When the machine was available this service Letter was performed according to the ps46306 (tebe9264-01). after the procedure was performed The machine was ran and drove. no fault codes Were active and the operation of the machine was Proper. the machine was then returned to service. Wr 240659 The existing cushion hitch harness can fail on Certain 631k and 637k wheel tractor-scrapers. if The existing cushion hitch harness fails it can Result in intermittent faults or loss of various Bowl and implement system functions.
Feb 05, 2020	Service	782	Travel To/from	Cover the travel under policy, cheaper than paying To haul the machine to fort dodge
Jan 31, 2020	Parts			
Jan 23, 2020	Service	661	Repair Ejector Guide Roller	Customer complaint: Right ejector guide roller broke off shaft Repair process comments: Loosened locking bolt from ejector frame. spread Open to release shaft. removed old shaft. cleaned Up shaft housing. took new roller assembly apart. Lifted up on ector frame and slid to the left. Loosened left side shaft to give more free play To slide more to line up new roller. placed new Roller on frame and started shaft. pressed new Shaft into hole and put the retainer back in and Tightened bolts and put cover back on and Tightened bolts. ran machine backwards and Forwards to check for binding. didn't see any Binding tightened locking bolt. Wr 250770
Jan 23, 2020	Service	661	Repair Ejector Guide Roller	Customer complaint: Right ejector guide roller broke off shaft Repair process comments: Loosened locking bolt from ejector frame. spread Open to release shaft. removed old shaft. cleaned Up shaft housing. took new roller assembly apart. Lifted up on ector frame and slid to the left. Loosened left side shaft to give more free play To slide more to line up new roller. placed new Roller on frame and started shaft. pressed new Shaft into hole and put the retainer back in and Tightened bolts and put cover back on and Tightened bolts. ran machine backwards and Forwards to check for binding. didn't see any Binding tightened locking bolt. Wr 250770
Jan 23, 2020	Service			

Jan 22, 2020	Service	661	Repair Ejector Guide Roller	Customer complaint: Right ejector guide roller broke off shaft Repair process comments: Loosened locking bolt from ejector frame. spread Open to release shaft. removed old shaft. cleaned Up shaft housing. took new roller assembly apart. Lifted up on ejector frame and slid to the left. Loosened left side shaft to give more free play To slide more to line up new roller. placed new Roller on frame and started shaft. pressed new Shaft into hole and put the retainer back in and Tightened bolts and put cover back on and Tightened bolts. ran machine backwards and Forwards to check for binding. didn't see any Binding tightened locking bolt. Wr 250770
Jan 22, 2020	Service	661	Repair Ejector Guide Roller	Customer complaint: Right ejector guide roller broke off shaft Repair process comments: Loosened locking bolt from ejector frame. spread Open to release shaft. removed old shaft. cleaned Up shaft housing. took new roller assembly apart. Lifted up on ejector frame and slid to the left. Loosened left side shaft to give more free play To slide more to line up new roller. placed new Roller on frame and started shaft. pressed new Shaft into hole and put the retainer back in and Tightened bolts and put cover back on and Tightened bolts. ran machine backwards and Forwards to check for binding. didn't see any Binding tightened locking bolt. Wr 250770
Jan 22, 2020	Service			
Dec 23, 2019	Service	597	Travel To/from	
Dec 23, 2019	Service	597	Perform Product Update On Steering Lines/hoses	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Pi33103 Repair process comments: Traveled to job sight Downloaded psr Locked machine out Performed pi33103 as instructed in the special Instruction media m0111813 Tagged parts for return Wrote service report The steering lines group needs to be reworked on Certain 631k and 637k wheel tractor-scrapers Equipped with secondary steering. the existing Steering lines group has a pump discharge check Valve located in the wrong portion of the circuit Which may result in the secondary steering Unloading valve rapidly shuttling back and forth Creating noise. this may eventually lead to wear Of the component.

Dec 23, 2019	Service	597	Perform Product Update On Steering Lines/hoses	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Pi33103 Repair process comments: Traveled to job sight Downloaded psr Locked machine out Performed pi33103 as instructed in the special Instruction media m0111813 Tagged parts for return Wrote service report The steering lines group needs to be reworked on Certain 631k and 637k wheel tractor-scrapers Equipped with secondary steering. the existing Steering lines group has a pump discharge check Valve located in the wrong portion of the circuit Which may result in the secondary steering Unloading valve rapidly shuttling back and forth Creating noise. this may eventually lead to wear Of the component.
Dec 23, 2019	Service	597	Travel To/from	
Nov 13, 2019	Service	458	Travel To/from	
Nov 13, 2019	Service	458	Inspect Eng Oil Filter Hsg/base	Customer complaint: Inspect oil lines Repair process comments: Drove to site Inspected lines per email instructions Noted normal cat hoses to be installed Drove to shop Oil hoses
Nov 13, 2019	Service	458	Travel To/from	
Nov 13, 2019	Service	458	Inspect Eng Oil Filter Hsg/base	Customer complaint: Inspect oil lines Repair process comments: Drove to site Inspected lines per email instructions Noted normal cat hoses to be installed Drove to shop Oil hoses

Oct 28, 2019	Service	432	Repair Final Drive	Customer complaint: usg quarry- quail ave and mill Road, ft dodge ia 50501 webster county Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and sp lines were damaged on axle Repair process comments: Looked up parts for right front final New cover and axle were no on hand quantity and Had to be ordered machine down Looked up procedure to remove wheel bearing and Planetary gear assembly to clean Loaded tooling Traveled back to job sight Removed cover Removed planetary gear assembly and cleaned out The dirt/debris Loaded planetary assembly Jacked machine up and installed safety stand Installed lifting eyes to machine Used come along from lifting eyes across right Tire to hold in place while disassembling so the Duocone seal was not separated Removed ring where planet aries interlocked and Wheel hub assembly Bearing was on the hub Cleaned bearing Cleaned out the housing Oil bearing and reinstalled hub Tightened bolts to spec Cleaned and installed ring assembly and tightened The retaining bolts to spec(also loctited them) Set machine on ground and loaded tooling Taped a garbage bag over the hole to keep dirt nd Debris/ rain out Traveled to shop Unloaded tooling Unloaded planetarie assembly Power washed planetary assembly and dried with air Hose Disassembled the planetary assembly and cleaned All the parts and inspected Oiled the parts and reassembled Placed the assembly in garbage bag to keep clean Traveled to job sight Installed the planetary assembly Made a cardboard cover, placed it behind the Remainder of the cover Filled planetary with as much oil as could and Installed makeshift cover Customer wanted to move machine off the haul road So it would not get vandalized while waiting for Parts Moved machine Removed cover and wrapped in garbage bag to help Keep water out and reinstalled Axle arrived and loaded Traveled to job sight Installed axle to make sure it would go in and That the differential sp lines would accept it in Place Cover arrived Assembled the pieces of the cover Traveled to job sight Drained the differential Flushed differential out Filled with new oil Installed sun gear and retaining clip to the right Axle Installed cover Filled with oil Filled the left side because it was drained and Inspected the axle shaft when parts were ordered Installed new oring also to the cover Ran machine and returned to service Wrote service report Wr 259070 Wr 259097 Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Repair right front final Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and splines were damaged on axle Repair process comments: Looked up parts for right front final New cover and axle were no on hand quantity and Had to be ordered machine down Looked up procedure to remove wheel bearing and Planetary gear assembly to clean Loaded tooling Traveled back to job sight Removed cover Removed planetary gear assembly and cleaned out The dirt/debris
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Oct 28, 2019

Service

432

Travel To/from

Oct 28, 2019	Service	432	Troubleshoot Final Drive	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot right final drive Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and damaged splines on axle Repair process comments: Customer called concerning the right final drive Cover was broke and leaking oil out Traveled to job sight Checked in at the quarry Waited for escort out to machine Found machine stuck in a pile of hard powder waste And the right axle was hanging out Waited for customer to bring another machine to Pull the 637k out of the pile After machine was pulled out pulled axle out of The machine Axle sp lines were ground off the last 3/16" Looked around in the powder to see if the rest of The cover could be found and could not find it Looked around on the slope where the powder was Being spread and could not find the cover The incident happened on the night shift so Operator did not know when exactly it had Happened Removed reminder of the cover Wrapped a garbage bag around cover and installed Bolts to keep debris/rain out of the final Determined that thrust pushed axle into cover Causing the center to break out allowing the axle To slide out and last 1/8-3/16" of sp lines were Chewed off Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot right final drive Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and damaged splines on axle Repair process comments: Customer called complaining the right final drive Cover was broke and leaking oil out Traveled to job sight Checked in at the quarry Waited for escort out to machine Found machine stuck in a pile of hard powder waste And the right axle was hanging out Waited for customer to bring another machine to Pull the 637k out of the pile After machine was pulled out i pulled axle out of The machine Axle splines were ground off the last 3/16" Looked around in the powder to see if the rest of The cover could be found and could not find it Looked around on the slope where the powder was Being spread and could not find the cover The incident happened on the night shift so Operator did not know when exactly it had Happened Removed remainder of the cover Wrapped a garbage bag around cover and installed Bolts to keep debris/rain out of the final Determined that thrust pushed axle into cover Causing the center to break out allowing the axle To slide out and last 1/8-3/16" of splines were Chewed off Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot right final drive Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and damaged sp lines on axle Repair process comments: Customer called concerning the right final drive Cover was broke and leaking oil out Traveled to job sight Checked in at the quarry Waited for escort out to machine Found machine
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Oct 28, 2019

Service

432

Travel To/from

Oct 28, 2019	Service	432	Repair Final Drive	Customer complaint: usg quarry- quail ave and mill Road, ft dodge ia 50501 webster county Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and sp lines were damaged on axle Repair process comments: Looked up parts for right front final New cover and axle were no on hand quantity and Had to be ordered machine down Looked up procedure to remove wheel bearing and Planetary gear assembly to clean Loaded tooling Traveled back to job sight Removed cover Removed planetary gear assembly and cleaned out The dirt/debris Loaded planetary assembly Jacked machine up and installed safety stand Installed lifting eyes to machine Used come along from lifting eyes across right Tire to hold in place while disassembling so the Duocone seal was not separated Removed ring where planet aries interlocked and Wheel hub assembly Bearing was on the hub Cleaned bearing Cleaned out the housing Oil bearing and reinstalled hub Tightened bolts to spec Cleaned and installed ring assembly and tightened The retaining bolts to spec(also loctited them) Set machine on ground and loaded tooling Taped a garbage bag over the hole to keep dirt nd Debris/ rain out Traveled to shop Unloaded tooling Unloaded planetarie assembly Power washed planetary assembly and dried with air Hose Disassembled the planetary assembly and cleaned All the parts and inspected Oiled the parts and reassembled Placed the assembly in garbage bag to keep clean Traveled to job sight Installed the planetary assembly Made a cardboard cover, placed it behind the Remainder of the cover Filled planetary with as much oil as could and Installed makeshift cover Customer wanted to move machine off the haul road So it would not get vandalized while waiting for Parts Moved machine Removed cover and wrapped in garbage bag to help Keep water out and reinstalled Axle arrived and loaded Traveled to job sight Installed axle to make sure it would go in and That the differential sp lines would accept it in Place Cover arrived Assembled the pieces of the cover Traveled to job sight Drained the differential Flushed differential out Filled with new oil Installed sun gear and retaining clip to the right Axle Installed cover Filled with oil Filled the left side because it was drained and Inspected the axle shaft when parts were ordered Installed new oring also to the cover Ran machine and returned to service Wrote service report Wr 259070 Wr 259097 Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Repair right front final Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and splines were damaged on axle Repair process comments: Looked up parts for right front final New cover and axle were no on hand quantity and Had to be ordered machine down Looked up procedure to remove wheel bearing and Planetary gear assembly to clean Loaded tooling Traveled back to job sight Removed cover Removed planetary gear assembly and cleaned out The dirt/debris
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Oct 28, 2019	Service	432	Troubleshoot Final Drive	Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot right final drive Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and damaged splines on axle Repair process comments: Customer called concerning the right final drive Cover was broke and leaking oil out Traveled to job sight Checked in at the quarry Waited for escort out to machine Found machine stuck in a pile of hard powder waste And the right axle was hanging out Waited for customer to bring another machine to Pull the 637k out of the pile After machine was pulled out pulled axle out of The machine Axle sp lines were ground off the last 3/16" Looked around in the powder to see if the rest of The cover could be found and could not find it Looked around on the slope where the powder was Being spread and could not find the cover The incident happened on the night shift so Operator did not know when exactly it had Happened Removed reminder of the cover Wrapped a garbage bag around cover and installed Bolts to keep debris/rain out of the final Determined that thrust pushed axle into cover Causing the center to break out allowing the axle To slide out and last 1/8-3/16" of sp lines were Chewed off Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot right final drive Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and damaged splines on axle Repair process comments: Customer called complaining the right final drive Cover was broke and leaking oil out Traveled to job sight Checked in at the quarry Waited for escort out to machine Found machine stuck in a pile of hard powder waste And the right axle was hanging out Waited for customer to bring another machine to Pull the 637k out of the pile After machine was pulled out i pulled axle out of The machine Axle splines were ground off the last 3/16" Looked around in the powder to see if the rest of The cover could be found and could not find it Looked around on the slope where the powder was Being spread and could not find the cover The incident happened on the night shift so Operator did not know when exactly it had Happened Removed remainder of the cover Wrapped a garbage bag around cover and installed Bolts to keep debris/rain out of the final Determined that thrust pushed axle into cover Causing the center to break out allowing the axle To slide out and last 1/8-3/16" of splines were Chewed off Customer complaint: Usg quarry- quail avenue and mill road, fort Dodge iowa 50501, webster county Troubleshoot right final drive Cause of failure: Thrust slid right axle out slamming it into cover And breaking center out allowing axle to slide Out Resultant damage: Axle slid out and damaged sp lines on axle Repair process comments: Customer called concerning the right final drive Cover was broke and leaking oil out Traveled to job sight Checked in at the quarry Waited for escort out to machine Found machine
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 and last 1/8-3/16" of sp lines were Chewed off

Aug 30, 2019	Service	90	Travel To/from	
Aug 30, 2019	Service	90	Repair Cushion Hitch	Customer complaint: The h pins starting to work there way out. Cause of failure: Missing retainer plates Repair process comments: The h pins on cushion hitch work themselves out Just far enough to start turn. Turn pin and got pin back down into lock. No signs of retainers being installed on bottom of Pin, Installed new retainer plates and fasteners. Put unit back into service.
Aug 30, 2019	Service	90	Travel To/from	
Aug 30, 2019	Service	90	Repair Cushion Hitch	Customer complaint: The h pins starting to work there way out. Cause of failure: Missing retainer plates Repair process comments: The h pins on cushion hitch work themselves out Just far enough to start turn. Turn pin and got pin back down into lock. No signs of retainers being installed on bottom of Pin, Installed new retainer plates and fasteners. Put unit back into service.
Aug 16, 2019	Service	55	Repair Steering Lines/hoses	Customer complaint: Hydraulic oil leaking from belly pan under front Of machine Cause of failure: Loose steering load sense pressure tap Resultant damage: O-ring cut by oil pressure Repair process comments: Lowered belly pan Started machine and located oil leak Shut off machine and relieved hydraulic pressure Removed pressure tap and cut o-ring Installed pressure tap with new o-ring Started machine and verified the leak was fixed Tag wr205488
Aug 16, 2019	Service	55	Travel To/from	

Aug 16, 2019	Service	55	Repair Expansion Tank	Customer complaint: Coolant leaking from belly pan Cause of failure: Improper installation of the steel tube between The reservoir tank and the hose going down to the Water pump Resultant damage: Loss of coolant Machine down time Repair process comments: Noted coolant coming from the belly pan Opened engine compartment and found the coolant Line from the water pump to the reservoir to be Leaking at the clamp at the tube end of the hose By the water pump Noted the clamp to be on the bevel of the tube Loosened p-clips securing tube to the frame above The engine Slid the hose further on the tube and tightened Hose clamp Drove to shop and ordered spacers to put between The upper p-clips and the frame Drove to site. installed spacers with longer bolts On upper 2 p-clips While verifying that the tube would not rub on Anything i found that the hose between the tube And reservoir tank was kinked. Loosened clamp and slid hose farther on tube to Relieve kink. tightened clamp Started engine and checked for leaks None noted
Aug 16, 2019	Service	55	Repair Transmission	Customer complaint: Transmission leak on rear of machine Cause of failure: Missing/loose bolts on rear torque converter Filter mount Resultant damage: Loss of oil Repair process comments: Drove to site Started machine and checked for leaks Noted a bolt missing from the torque converter Filter mount Noted oil coming from between the filter base and The mounting surface Drove to shop and ordered parts Drove to site Removed hardware securing filter base to torque Converter, remaining lower bolt was finger tight Replaced o-rings and reinstalled filter base Installed new bolt and washer where the bolt was Missing. Added 10 gallons of tdto 30 Started machine and checked for leaks Drove to shop Oil leak
Aug 16, 2019	Service	55	Travel To/from	

Aug 16, 2019	Service	55	Repair Expansion Tank	Customer complaint: Coolant leaking from belly pan Cause of failure: Improper installation of the steel tube between The reservoir tank and the hose going down to the Water pump Resultant damage: Loss of coolant Machine down time Repair process comments: Noted coolant coming from the belly pan Opened engine compartment and found the coolant Line from the water pump to the reservoir to be Leaking at the clamp at the tube end of the hose By the water pump Noted the clamp to be on the bevel of the tube Loosened p-clips securing tube to the frame above The engine Slid the hose further on the tube and tightened Hose clamp Drove to shop and ordered spacers to put between The upper p-clips and the frame Drove to site. installed spacers with longer bolts On upper 2 p-clips While verifying that the tube would not rub on Anything i found that the hose between the tube And reservoir tank was kinked. Loosened clamp and slid hose farther on tube to Relieve kink. tightened clamp Started engine and checked for leaks None noted
Aug 16, 2019	Service	55	Repair Transmission	Customer complaint: Transmission leak on rear of machine Cause of failure: Missing/loose bolts on rear torque converter Filter mount Resultant damage: Loss of oil Repair process comments: Drove to site Started machine and checked for leaks Noted a bolt missing from the torque converter Filter mount Noted oil coming from between the filter base and The mounting surface Drove to shop and ordered parts Drove to site Removed hardware securing filter base to torque Converter, remaining lower bolt was finger tight Replaced o-rings and reinstalled filter base Installed new bolt and washer where the bolt was Missing. Added 10 gallons of tdto 30 Started machine and checked for leaks Drove to shop Oil leak
Aug 16, 2019	Service	55	Repair Steering Lines/hoses	Customer complaint: Hydraulic oil leaking from belly pan under front Of machine Cause of failure: Loose steering load sense pressure tap Resultant damage: O-ring cut by oil pressure Repair process comments: Lowered belly pan Started machine and located oil leak Shut off machine and relieved hydraulic pressure Removed pressure tap and cut o-ring Installed pressure tap with new o-ring Started machine and verified the leak was fixed Tag wr205488
Aug 15, 2019	Parts			
Jul 04, 2019	Parts			

Jun 21, 2019	Service	13	Perform Maintenance On Pre-delivery Inspection	Customer complaint: Perform predelivery inspection on the machine Repair process comments: Machine was brought into the shop. all shipping Hardware was removed. all fluid levels were Checked and oil samples were taken. product link Was activated. downloads on the ecms and reports Saved. machine was operated to normal Temperature. calibrations were performed. Transmission fill, lever position sensors and Hydraulic solenoid valves. the exhaust stack and Air inlet pipe was installed for the rear engine. Ether aid bottles were installed. def fluid and Washer fluid were topped off. machine was Thoroughly inspected for issues and leaks. no Issues were found. Pdi
Jun 21, 2019	Service	13	Final Inspect Machine	Customer complaint: Perform final inspection Repair process comments: Machine was inspected. all fluid levels were Checked. machine functions were tested. machine Was operated and no issues were found. Final inspect
Jun 21, 2019	Service	13	Install Radio	Customer complaint: Install radio Repair process comments: Machine was shipped to dealer without a radio. a Am / fm radio was installed. the radio was tested And works properly. Install radio
Jun 21, 2019	Service	13	Perform 10 Service Hour Maint	Customer complaint: Perform 10 hour service Repair process comments: 10 hour service was performed on the machine. all Fluid levels were checked. the machine was Inspected for issues and all operations were Tested. no issues were found with the machine. Pdi
Jun 21, 2019	Service	13	Install Fire Suppression System	Install fire suppression system

FLUID ANALYSIS (203 Records)

Nov 11, 2024	No Action Required	7,233	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	Monitor	7,206	Radiator Rear	CORROSION IS ELEVATED. RESAMPLE AT NORMAL INTERVAL TO MONITOR COMPARTMENT.
Oct 29, 2024	Monitor	7,206	Engine Front	SODIUM AND/OR POTASSIUM ARE PRESENT. THESE ARE USUALLY EARLY INDICATIONS OF A COOLANT LEAK. CHECK FOR COOLANT GETTING INTO THE OIL. HAVE YOU HAD TO ADD ANY COOLANT TO THIS SYSTEM? SUGGEST RESAMPLE OF THIS COMPARTMENT.
Oct 29, 2024	No Action Required	7,206	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	No Action Required	7,206	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	No Action Required	7,206	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Oct 29, 2024	 No Action Required	7,206	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	 No Action Required	7,206	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	 No Action Required	7,206	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	 No Action Required	7,206	Radiator Front	ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Oct 29, 2024	 No Action Required	7,206	Differential Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	 No Action Required	7,206	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Oct 29, 2024	 No Action Required	7,206	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Oct 29, 2024	 No Action Required	7,206	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 03, 2024	 No Action Required	6,904	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 03, 2024	 No Action Required	6,904	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 03, 2024	 No Action Required	6,904	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 03, 2024	 No Action Required	6,904	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jun 25, 2024	 No Action Required	6,579	Differential Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 No Action Required	6,579	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 No Action Required	6,579	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 No Action Required	6,579	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 No Action Required	6,579	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 No Action Required	6,579	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jun 25, 2024	 Monitor	6,579	Transmission Power Shift Rear	SODIUM AND/OR POTASSIUM ARE PRESENT. THESE ARE USUALLY EARLY INDICATIONS OF A COOLANT LEAK. CHECK FOR COOLANT GETTING INTO THE OIL. HAVE YOU HAD TO ADD ANY COOLANT TO THIS SYSTEM? SUGGEST RESAMPLE OF THIS COMPARTMENT. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 Monitor	6,579	Radiator Rear	COPPER CORROSION IS ELEVATED. RESAMPLE AT NORMAL INTERVAL TO MONITOR COMPARTMENT.
Jun 25, 2024	 No Action Required	6,579	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 No Action Required	6,579	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 25, 2024	 No Action Required	6,579	Radiator Front	ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Jun 25, 2024	 No Action Required	6,579	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jun 25, 2024	 No Action Required	6,579	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. NOT ENOUGH SAMPLE TO COMPLETE ALL OF THE TESTING.
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Mar 20, 2024	 Monitor	6,262	Transmission Power Shift Rear	SODIUM AND/OR POTASSIUM ARE PRESENT. THESE ARE USUALLY EARLY INDICATIONS OF A COOLANT LEAK. CHECK FOR COOLANT GETTING INTO THE OIL. HAVE YOU HAD TO ADD ANY COOLANT TO THIS SYSTEM? SUGGEST RESAMPLE OF THIS COMPARTMENT. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Mar 20, 2024	 No Action Required	6,262	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Mar 20, 2024	 Monitor	6,262	Engine Rear	ALUMINUM IS HIGH. ALUMINUM COULD INDICATE PISTON OR BEARING WEAR. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Mar 20, 2024	 No Action Required	6,262	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
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Dec 09, 2023	 Monitor	6,029	Engine Front	IRON, CHROME, SILICON, ALUMINUM AND LEAD ARE HIGH. ALUMINUM COULD INDICATE PISTON OR BEARING WEAR. LEAD COULD INDICATE BEARING OR BUSHING WEAR. CHECK FOR DIRT ENTRY. WHEN DIRT READINGS ARE ELEVATED, COMPONENT WEAR INCREASES. CHECK AIR FILTER ELEMENTS FOR CONDITION AND LEAKS. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. RESAMPLE AT HALF THE NORMAL INTERVAL.
Dec 08, 2023	 No Action Required	6,029	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 08, 2023	 No Action Required	6,029	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 08, 2023	 No Action Required	6,029	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 08, 2023	 No Action Required	6,029	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Dec 08, 2023	 No Action Required	6,029	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 08, 2023	 Monitor	6,029	Transmission Power Shift Rear	PARTICLE COUNT DATA IS HIGH. PQ I READING IS HIGH. WAS THE FILTER CHECKED FOR VISIBLE METAL/DEBRIS AT THIS SERVICE? RESAMPLE AT HALF THE NORMAL INTERVAL.
Dec 08, 2023	 No Action Required	6,029	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 27, 2023	 No Action Required	5,740	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 11, 2023	 Action Required	5,672	Engine Rear	LOW VISCOSITY AS A RESULT OF FUEL DILUTION. THIS OIL SAMPLE IS POSITIVE FOR FUEL DILUTION. G.C SHOWS 11.4% FUEL DILUTION. THIS FUEL DILUTION PROBLEM REQUIRES IMMEDIATE ATTENTION TO DETERMINE CAUSE AND PREVENT POSSIBLE DAMAGE. RESAMPLE AFTER REPAIRS ARE COMPLETED.
May 22, 2023	 No Action Required	5,207	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

May 22, 2023	 No Action Required	5,207	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 22, 2023	 No Action Required	5,207	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 17, 2023	 No Action Required	5,207	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 17, 2023	 No Action Required	5,207	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 16, 2023	 No Action Required	5,207	Radiator Front	COPPER CORROSION IS HIGH. FLUID CHANGE IS NOTED. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
May 16, 2023	 Action Required	5,207	Engine Front	SAMPLE TESTED POSITIVE FOR WATER CONTAMINATION. LOCATE & CORRECT SOURCE OF WATER ENTRY. SUGGEST CUTTING OIL FILTER OPEN, PULLING OUT PLEATS AND CHECKING FOR VISIBLE METAL PIECES. YOUR FINDINGS SHOULD HELP DETERMINE WHAT OTHER ACTIONS ARE NECESSARY. SUGGEST AN OIL RESAMPLE ON NEW OIL TO BE SURE COMPARTMENT IS CLEAN.

Apr 12, 2023	 No Action Required	5,207	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Apr 12, 2023	 Monitor	5,207	Transmission Power Shift Front	LEAD IS SLIGHTLY HIGH. LEAD COULD INDICATE BEARING OR BUSHING WEAR. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 05, 2023	 Action Required	0	Engine Front	IRON IS HIGH. COPPER WITH SODIUM AND/OR POTASSIUM ARE SLIGHTLY HIGH. THESE ARE USUALLY EARLY INDICATIONS OF A COOLANT LEAK. CHECK FOR COOLANT GETTING INTO THE OIL. WE HAVE A TRACE OF COOLANT IN THE OIL SAMPLE, IS YOUR ENGINE LOSING ANY COOLANT? SUGGEST RESAMPLE OF THIS COMPARTMENT.
Jan 05, 2023	 No Action Required	0	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jan 05, 2023	 Action Required	0	Engine Rear	PQ I, IRON, SILICON AND LEAD ARE HIGH. LOW VISCOSITY AS A RESULT OF FUEL DILUTION. THIS OIL SAMPLE IS POSITIVE FOR FUEL DILUTION. G.C SHOWS 18.35% FUEL DILUTION. THIS FUEL DILUTION PROBLEM REQUIRES IMMEDIATE ATTENTION TO DETERMINE CAUSE AND PREVENT POSSIBLE DAMAGE. RESAMPLE AFTER REPAIRS ARE COMPLETED.
Jan 05, 2023	 No Action Required	0	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jul 21, 2022	 No Action Required	4,582	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 21, 2022	 No Action Required	4,582	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 21, 2022	 Monitor	4,582	Transmission Power Shift Front	COPPER IS HIGH. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 21, 2022	 No Action Required	4,582	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 12, 2022	 Monitor	4,531	Engine Front	SODIUM AND/OR POTASSIUM ARE SLIGHTLY HIGH. THESE ARE USUALLY EARLY INDICATIONS OF A COOLANT LEAK. BECAUSE OF THE SODIUM AND/OR POTASSIUM READINGS, WATCH COOLANT LEVEL AND THE NEXT SAMPLE FOR ANY CHANGE. HAVE YOU HAD TO ADD ANY COOLANT TO THIS SYSTEM? CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jun 23, 2022	 Monitor	4,531	Transmission Power Shift Front	COPPER IS HIGH. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 23, 2022		4,531	Hydraulic System	MORE THAN ONE SAMPLE TODAY ON THIS COMPARTMENT. VISCOSITY IS NOT CONSISTENT WITH THE PREVIOUS SAMPLES ON THIS COMPARTMENT. ONE OF THESE SAMPLES IS PROBABLY MISMARKED.
Jun 23, 2022	 Action Required	4,531	Engine Rear	SAMPLE TESTED POSITIVE FOR WATER CONTAMINATION. LOCATE & CORRECT SOURCE OF WATER ENTRY. SUGGEST CUTTING OIL FILTER OPEN, PULLING OUT PLEATS AND CHECKING FOR VISIBLE METAL PIECES. YOUR FINDINGS SHOULD HELP DETERMINE WHAT OTHER ACTIONS ARE NECESSARY. SUGGEST AN OIL RESAMPLE ON NEW OIL TO BE SURE COMPARTMENT IS CLEAN.
Jun 23, 2022	 No Action Required	4,531	Hydraulic System	MORE THAN ONE SAMPLE TODAY ON THIS COMPARTMENT. RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 29, 2022	 No Action Required	4,121	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Mar 28, 2022	 Monitor	4,121	Differential Rear	SAMPLE CONTAINS VISIBLE DEBRIS. ALL OTHER DATA IS ACCEPTABLE. WHEN YOU DRAIN AND FLUSH COMPARTMENT, CHECK FOR VISIBLE METAL PIECES AND OTHER ABNORMAL CONDITIONS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 No Action Required	4,121	Differential Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 No Action Required	4,121	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 No Action Required	4,121	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 No Action Required	4,121	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 Monitor	4,121	Transmission Power Shift Front	COPPER IS HIGH. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Mar 28, 2022	 No Action Required	4,121	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 No Action Required	4,121	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 No Action Required	4,121	Radiator Front	ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Mar 28, 2022	 Monitor	4,121	Radiator Rear	COPPER CORROSION IS ELEVATED. PH IS APPROACHING THE LOWER LIMIT. RESAMPLE AT NORMAL INTERVAL TO MONITOR COMPARTMENT.
Mar 28, 2022	 No Action Required	4,121	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 28, 2022	 No Action Required	4,121	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Nov 22, 2021	 No Action Required	3,857	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Nov 22, 2021	 No Action Required	3,857	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 Monitor	3,657	Differential Front	COPPER IS HIGH. WHEN YOU DRAINED COMPARTMENT DID YOU CHECK FOR VISIBLE METAL PIECES AND OTHER ABNORMAL CONDITIONS? DID YOU CHECK THE MAGNETIC DRAIN PLUG? CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 No Action Required	3,657	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 No Action Required	3,657	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 No Action Required	3,657	Radiator Front	ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

Sep 30, 2021	 Monitor	3,657	Final Drive Front Left	COPPER IS HIGH. WHEN YOU DRAINED COMPARTMENT DID YOU CHECK FOR VISIBLE METAL PIECES AND OTHER ABNORMAL CONDITIONS? DID YOU CHECK THE MAGNETIC DRAIN PLUG? CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 No Action Required	3,657	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 No Action Required	3,657	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 Monitor	3,657	Final Drive Front Right	COPPER IS HIGH. WHEN YOU DRAINED COMPARTMENT DID YOU CHECK FOR VISIBLE METAL PIECES AND OTHER ABNORMAL CONDITIONS? DID YOU CHECK THE MAGNETIC DRAIN PLUG? CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 No Action Required	3,657	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 No Action Required	3,657	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Sep 30, 2021	 Monitor	3,657	Radiator Rear	COPPER CORROSION IS ELEVATED. PH IS APPROACHING THE LOWER LIMIT. RESAMPLE AT NORMAL INTERVAL TO MONITOR COMPARTMENT.
Sep 30, 2021	 No Action Required	3,657	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 30, 2021	 Monitor	3,657	Transmission Power Shift Front	COPPER IS HIGH. WHEN YOU DRAINED COMPARTMENT DID YOU CHECK FOR VISIBLE METAL PIECES AND OTHER ABNORMAL CONDITIONS? DID YOU CHECK THE MAGNETIC DRAIN PLUG? CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 26, 2021	 No Action Required	3,510	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 26, 2021	 Monitor	3,510	Transmission Power Shift Front	COPPER IS HIGH. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 26, 2021	 No Action Required	3,510	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Aug 26, 2021	 No Action Required	3,510	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 No Action Required	3,130	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 Monitor	3,130	Radiator Rear	COPPER IS ELEVATED. NITRITES (NO2) ARE LOW. SODIUM NITRITE (NO2) IS TOO LOW TO PROVIDE ADEQUATE CORROSION/EROSION PROTECTION. ADD RECOMMENDED DOSE (2% COOLING SYSTEM CAPACITY) OF ELC EXTENDER. RESAMPLE AT NORMAL INTERVAL TO MONITOR COMPARTMENT.
Jun 03, 2021	 No Action Required	3,130	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 Monitor	3,130	Transmission Power Shift Front	COPPER IS HIGH. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 Monitor	3,130	Differential Front	COPPER IS HIGH. WHEN YOU DRAINED COMPARTMENT DID YOU CHECK FOR VISIBLE METAL PIECES AND OTHER ABNORMAL CONDITIONS? DID YOU CHECK THE MAGNETIC DRAIN PLUG? CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jun 03, 2021	 No Action Required	3,130	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 No Action Required	3,130	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 Monitor	3,130	Final Drive Front Right	COPPER IS HIGH. WHEN YOU DRAINED COMPARTMENT DID YOU CHECK FOR VISIBLE METAL PIECES AND OTHER ABNORMAL CONDITIONS? DID YOU CHECK THE MAGNETIC DRAIN PLUG? CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 No Action Required	3,130	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 No Action Required	3,130	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jun 03, 2021	 No Action Required	3,130	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jun 01, 2021	 No Action Required	3,130	Radiator Front	ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Feb 17, 2021	 Monitor	2,781	Hydraulic System	PARTICLE COUNT DATA IS HIGH. ISO CODE 18/15 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK FOR SOURCE OF CONTAMINATION. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 17, 2021	 No Action Required	2,781	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 17, 2021	 No Action Required	2,781	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 17, 2021	 No Action Required	2,781	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 17, 2021	 Monitor	2,781	Transmission Power Shift Rear	PARTICLE COUNT DATA IS HIGH. ISO CODE 18/15 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK FOR SOURCE OF CONTAMINATION. WHEN YOU CHANGE THE OIL/FILTER CHECK FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Nov 06, 2020	 No Action Required	2,442	Radiator Front	ALL LEVEL 1 TESTS APPEAR NORMAL. NO ACTION REQUIRED AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Nov 06, 2020	 No Action Required	2,442	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Nov 06, 2020	 No Action Required	2,442	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Nov 06, 2020	 No Action Required	2,442	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Nov 06, 2020	 No Action Required	2,442	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.

Nov 06, 2020	 No Action Required	2,442	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Nov 06, 2020	 No Action Required	2,442	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Nov 06, 2020	 Monitor	2,442	Radiator Rear	NITRITES (NO2) ARE LOW. COPPER IS ELEVATED. ALL OTHER DATA APPEARS NORMAL. SODIUM NITRITE (NO2) IS TOO LOW TO PROVIDE ADEQUATE CORROSION/EROSION PROTECTION. ADD RECOMMENDED DOSE (2% COOLING SYSTEM CAPACITY) OF ELC EXTENDER. RESAMPLE AT NORMAL INTERVAL TO MONITOR COMPARTMENT.
Nov 06, 2020	 No Action Required	2,442	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Nov 06, 2020	 No Action Required	2,442	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.

Nov 05, 2020	 No Action Required	2,442	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Nov 05, 2020	 No Action Required	2,442	Differential Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Nov 05, 2020	 No Action Required	2,442	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Oct 22, 2020	 No Action Required	2,387	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS. DUE TO A SUPPLIER PRODUCT SHORTAGE FROM COVID-19 WE ARE UNABLE TO RUN THE IR TEST AT THIS TIME.
Aug 21, 2020	 No Action Required	2,012	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Aug 21, 2020	 No Action Required	2,012	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 21, 2020	 No Action Required	2,012	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 21, 2020	 No Action Required	2,012	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 21, 2020	 No Action Required	2,012	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 21, 2020	 No Action Required	2,021	Differential Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 21, 2020	 No Action Required	2,012	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Aug 21, 2020	 No Action Required	2,012	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 21, 2020	 No Action Required	2,012	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 21, 2020	 No Action Required	2,012	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 20, 2020	 No Action Required	2,012	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 20, 2020	 No Action Required	2,012	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 24, 2020	 No Action Required	1,933	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Jul 08, 2020	 No Action Required	1,836	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,836	Differential Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,836	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,842	Final Drive Rear Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,836	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 Action Required	1,836	Engine Front	SAMPLE TESTED POSITIVE FOR WATER CONTAMINATION. LOCATE & CORRECT SOURCE OF WATER ENTRY. SUGGEST CUTTING OIL FILTER OPEN, PULLING OUT PLEATS AND CHECKING FOR VISIBLE METAL PIECES. YOUR FINDINGS SHOULD HELP DETERMINE WHAT OTHER ACTIONS ARE NECESSARY. SUGGEST AN OIL RESAMPLE ON NEW OIL TO BE SURE COMPARTMENT IS CLEAN.

Jul 08, 2020	 No Action Required	1,836	Final Drive Front Right	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,836	Radiator Rear	SYSTEM CONDITIONS ARE ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Jul 08, 2020	 No Action Required	1,836	Final Drive Rear Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,842	Differential Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,836	Radiator Front	SYSTEM CONDITIONS ARE ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Jul 08, 2020	 No Action Required	1,836	Final Drive Front Left	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Jul 08, 2020	 No Action Required	1,836	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

May 19, 2020	 No Action Required	1,593	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 19, 2020	 No Action Required	1,593	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 19, 2020	 No Action Required	1,593	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 19, 2020	 No Action Required	1,593	Engine Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 19, 2020	 Monitor	1,593	Engine Rear	COPPER IS HIGH. HIGH COPPER IS OFTEN A SIGN THAT THE OIL CHANGE WAS OVEREXTENDED. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 24, 2020	 No Action Required	1,154	Radiator Front	SYSTEM CONDITIONS ARE ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.

Mar 24, 2020	 No Action Required	1,154	Radiator Rear	SYSTEM CONDITIONS ARE ACCEPTABLE AT THIS TIME. RESAMPLE AT THE NORMAL INTERVAL.
Mar 10, 2020	 No Action Required	10,101	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Mar 10, 2020	 No Action Required	10,101	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 27, 2020	 Monitor	1,061	Engine Rear	COPPER IS ELEVATED. HIGH COPPER IS OFTEN A SIGN THAT THE OIL CHANGE WAS OVEREXTENDED. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 27, 2020	 No Action Required	1,061	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 27, 2020	 Monitor	1,061	Engine Rear	COPPER IS ELEVATED. HIGH COPPER IS OFTEN A SIGN THAT THE OIL CHANGE WAS OVEREXTENDED. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Feb 27, 2020	 Monitor	1,061	Engine Front	COPPER IS HIGH. HIGH COPPER IS OFTEN A SIGN THAT THE OIL CHANGE WAS OVEREXTENDED. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 27, 2020	 No Action Required	1,061	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Feb 27, 2020	 No Action Required	1,061	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 10, 2019	 No Action Required	602	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 10, 2019	 Monitor	602	Differential Front	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.

Dec 10, 2019	 Monitor	602	Differential Rear	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
Dec 10, 2019	 Monitor	602	Engine Front	COPPER IS HIGH. HIGH COPPER IS OFTEN A SIGN THAT THE OIL CHANGE WAS OVEREXTENDED. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 10, 2019	 Monitor	602	Final Drive Rear Right	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
Dec 10, 2019	 Monitor	602	Final Drive Rear Left	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
Dec 10, 2019	 Monitor	602	Final Drive Front Left	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. OIL WAS CHANGED AT THIS TIME. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.

Dec 10, 2019	 Monitor	602	Final Drive Front Right	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
Dec 10, 2019	 No Action Required	602	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 10, 2019	 No Action Required	602	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Dec 05, 2019	 No Action Required	597	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Sep 20, 2019	 Monitor	432	Differential Front	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.

Sep 09, 2019	 Monitor	432	Final Drive Front Left	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
Sep 09, 2019	 Monitor	432	Final Drive Front Right	WEAR PATTERN IS ACCEPTABLE AT THIS TIME BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
Aug 12, 2019	 Monitor	339	Engine Front	COPPER IS HIGH. HIGH COPPER IS OFTEN A SIGN THAT THE OIL CHANGE WAS OVEREXTENDED. SUGGEST SHORTENING OIL CHANGE INTERVALS. HIGH COPPER READING MAY BE THE RESULT OF OIL COOLER TUBE LEACHING, BUSHINGS, AN ADDITIVE IN NEW OIL OR FROM CONDENSATION. CONTINUE CHECKING THE FILTER FOR VISIBLE DEBRIS.
Aug 12, 2019	 No Action Required	338	Hydraulic System	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 12, 2019	 No Action Required	338	Transmission Power Shift Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

Aug 12, 2019	 No Action Required	338	Transmission Power Shift Front	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
Aug 12, 2019	 No Action Required	338	Engine Rear	RESULTS OF LATEST SAMPLE INDICATE ELEMENTS TESTED DIDN'T EXCEED NORMAL TRENDS FOR THIS COMPARTMENT. NO EXCESSIVE WEAR IS INDICATED AT THIS TIME. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 28, 2019	 Monitor	13	Final Drive Front Left	FIRST SAMPLE/NO TREND ESTABLISHED. APPEARS TO BE A PREDELIVERY SAMPLE. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
May 28, 2019	 No Action Required	13	Engine Front	FIRST SAMPLE/NO TREND ESTABLISHED. NO OBVIOUS PROBLEMS INDICATED ON A FIRST SAMPLE BASIS. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 28, 2019	 Monitor	13	Differential Front	FIRST SAMPLE/NO TREND ESTABLISHED. APPEARS TO BE A PREDELIVERY SAMPLE. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.

May 28, 2019	 Monitor	13	Differential Rear	FIRST SAMPLE/NO TREND ESTABLISHED. APPEARS TO BE A PREDELIVERY SAMPLE. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
May 28, 2019	 No Action Required	13	Hydraulic System	FIRST SAMPLE/NO TREND ESTABLISHED. NO OBVIOUS PROBLEMS INDICATED ON A FIRST SAMPLE BASIS. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 28, 2019	 No Action Required	13	Radiator Rear	FIRST SAMPLE/NO TREND ESTABLISHED. TEST DATA IS ACCEPTABLE ON A FIRST SAMPLE BASIS. RESAMPLE IN 500 HRS TO ESTABLISH A TREND.
May 28, 2019	 No Action Required	13	Engine Rear	FIRST SAMPLE/NO TREND ESTABLISHED. NO OBVIOUS PROBLEMS INDICATED ON A FIRST SAMPLE BASIS. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 28, 2019	 No Action Required	13	Transmission Power Shift Front	FIRST SAMPLE/NO TREND ESTABLISHED. NO OBVIOUS PROBLEMS INDICATED ON A FIRST SAMPLE BASIS. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.

May 28, 2019	 Monitor	13	Final Drive Rear Left	FIRST SAMPLE/NO TREND ESTABLISHED. APPEARS TO BE A PREDELIVERY SAMPLE. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
May 28, 2019	 Monitor	13	Final Drive Front Right	FIRST SAMPLE/NO TREND ESTABLISHED. APPEARS TO BE A PREDELIVERY SAMPLE. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.
May 28, 2019	 No Action Required	13	Transmission Power Shift Rear	FIRST SAMPLE/NO TREND ESTABLISHED. NO OBVIOUS PROBLEMS INDICATED ON A FIRST SAMPLE BASIS. MORE SAMPLE HISTORY NEEDED TO ESTABLISH A NORMAL WEAR TREND. CONTINUE TO MONITOR COMPARTMENT BY SAMPLING AT RECOMMENDED INTERVALS.
May 28, 2019	 No Action Required	13	Radiator Front	FIRST SAMPLE/NO TREND ESTABLISHED. TEST DATA IS ACCEPTABLE ON A FIRST SAMPLE BASIS. RESAMPLE IN 500 HRS TO ESTABLISH A TREND.
May 28, 2019	 Monitor	13	Final Drive Rear Right	FIRST SAMPLE/NO TREND ESTABLISHED. APPEARS TO BE A PREDELIVERY SAMPLE. WEAR PATTERN APPEARS TO BE NORMAL ON A FIRST SAMPLE BASIS BUT PARTICLE COUNT DATA IS HIGH. ISO CODE 21/17 IS RECOMMENDED (FOR THE LAST 2 POSITIONS) TO PREVENT ACCELERATED WEAR. CHECK TO SEE IF SAMPLE WAS TAKEN HOT. SYSTEM MUST BE HOT TO ENSURE ACCURATE SAMPLE RESULTS. RESAMPLE AT FULL OPERATING TEMPERATURE TO VERIFY.

PSP (12 Records)

Issue Date	End Date	PSP No.	Description	Status
Nov 14, 2025	Aug 31, 2026	PS55354	Replacing the def manifold and related s	 Open
Jul 07, 2025	Jul 31, 2026	PS48473	Flashing the 664-3607 seat control softw	 Open
Dec 01, 2022	Jul 31, 2024	PS47449	Replacing brake seals on certain 631k an	 Completed
Nov 29, 2022	Dec 31, 2022	PS46666	Replacing pl641i v1 to the pl641i v2 4g	 Completed
Sep 16, 2022	Sep 30, 2024	PS54947	Replacing the flywheel housing gasket an	 Completed
Jul 08, 2022	Jul 31, 2022	PS46758	Replacing the def pump on certain caterp	 Completed
Nov 03, 2021	Nov 30, 2023	PS47234	Replacing the tractor coolant tank on ce	 Completed
Oct 04, 2021	Jul 31, 2023	PS47132	Removing the wheel speed sensor group fr	 Completed
Apr 07, 2021	Apr 30, 2023	PS47051	Replacing the duo-cone seals on certain	 Completed
Oct 07, 2019	Oct 31, 2021	PS46430	Replacing the 371-9567 wheel casting on	 Completed
Aug 22, 2019	Jun 30, 2021	PS46306	Replacing the cushion hitch harness on c	 Completed
Sep 28, 2023	Sep 30, 2025	PS47873	Replacing the turbocharger inlet hose on	 Expired

COVERAGE HISTORY (1 Records)

Product Code	Description	Issue Date	End Date	Start Hours	End Hours
637K	60/8000 PREMIER	Aug 09, 2019	Aug 09, 2024	0	8,000