

Serial Number: J1S01935

Product Family: MEDIUM WHEEL LOADER

Model: 950M

SMU / Hours:

Year: 2019

SERVICE HISTORY (373 Records)

Invoice Date	Invoice Type	SMU / Hours	Description	Notes
Aug 30, 2024	Parts			
Jun 27, 2024	Service	21,758	Troubleshoot Clean Emissions Module	
Jun 27, 2024	Service	21,758	Travel To/from Machine	
May 22, 2024	Service	21,536	Replace Diesel Exhaust Fluid Inje	
May 22, 2024	Service	21,536	Troubleshoot Diesel Exhaust Fluid	
May 22, 2024	Service	21,536	Repair Clean Emissions Module	
May 22, 2024	Service	21,536	Troubleshoot Fuel System	
May 22, 2024	Service	21,536	Repair Coolant Hose/lines	
May 22, 2024	Service	21,536	Inspect Wiring Harness	
May 22, 2024	Service	21,536	Travel To/from Machine	
May 22, 2024	Service	21,640	Travel To/from Machine	
May 22, 2024	Service	21,640	Repair Fuel System	

May 17, 2024	Service	21,591	Perform 500 Service Hour Maintena	All samples that were needed for the service
May 17, 2024	Service	21,591	Travel To/from Machine	
Mar 22, 2024	Service	21,004	Perform 1000 Service Hour Mainten	
Mar 22, 2024	Service	21,004	Travel To/from Machine	
Jan 31, 2024	Service	20,322	Labor Exceeding Trg Repair Equipment	
Jan 31, 2024	Service	20,322	Travel To/from Field Service	
Jan 31, 2024	Service	20,322	Weld/line Bore Tilt Link	
Jan 31, 2024	Service	20,322	Inspect Tilt Link	
Jan 31, 2024	Service	20,322	Labor Exceeding Trg Repair Equipment	
Jan 31, 2024	Service	20,322	Use Job Code 541 Tilt Cylinder	
Jan 31, 2024	Service	20,322	Use Job Code 541 Tilt Link	
Jan 12, 2024	Service	20,455	Perform 2000 Service Hour Mainten	
Jan 12, 2024	Service	20,455	Travel To/from Machine	
Jan 08, 2024	Service	20,294	Calibrate Blade Lift Link	
Jan 08, 2024	Service	20,294	Troubleshoot Seat Suspension Pump	

Jan 08, 2024	Service	20,294	Travel To/from Machine	
Dec 01, 2023	Service	19,981	Flush Cooling System Tools	Troubleshoot coolant entry in the engine oil.
Dec 01, 2023	Service	19,981	Travel To/from Machine	Troubleshoot coolant entry in the engine oil.
Dec 01, 2023	Service	19,981	Troubleshoot Engine Cooling System	Troubleshoot coolant entry in the engine oil.
Dec 01, 2023	Service	19,981	Remove & Install Engine Oil Cooler	Troubleshoot coolant entry in the engine oil.
Nov 09, 2023	Service	19,793	Perform 500 Service Hour Maintena	Performed 500 hour pm service Changed engine oil Changed all fuel filters Inspected belts Greased all service points Replaced outer engine air filter Pulled oil samples from all fluid compartments Anti-freeze tested - degrees Inspection notes: tech performed a 500hr service On a 950m/truck p00110/drained and refilled the Engine with 6gals of 15/40/changed all the filters and pulled All the samples that were needed for the service
Nov 09, 2023	Service	19,793	Travel To/from Machine	Travel to the job site Travel from the job site
Sep 29, 2023	Service	19,534	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198
Sep 29, 2023	Service	19,534	Troubleshoot Clean Emissions Module	Complaint :unit derating Cause :def injector leaking Resultant damage : Correction :verrified complaint. followed Troubleshooting found massive leak from def Injector. also found def injector was leaking Coolant. recomend def injector replacement
Sep 29, 2023	Service	19,534	Repair Nox Reduction System Air	Complaint :replace def injector Cause :def injector leak Resultant damage : Correction :replaced def injector and gasket. Performed aftertratment recovery as per Troubleshooting request. recovery passed with no Issues. performed dosing system verification. Issue no longer present. returned unit to service

Sep 19, 2023	Service	19,365	Perform 1000 Service Hour Mainten	Perform 1000 hour pm service Changed both engine air filters Changed all fluid filters Greased all service points Inspected belts Changed transmission oil Pulled samples from all fluid compartments Drained and refilled the engine with 6 gals of 15/40 Drained and refilled the transmission with 10 gals Of 30w Changed all the filters and pulled all The samples that were needed for the service
Aug 11, 2023	Service	19,069	Repair Air Conditioner	Complaint :need to replace blower motor Cause :blower motor bad Resultant damage :ac not working Correction :replaced blower motor. test ok.
Aug 11, 2023	Service	19,069	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198
Aug 11, 2023	Service	19,069	Troubleshoot Air Conditioner	Complaint :ac not blowing Cause :bad blower motor Resultant damage :ac not working Correction :diagnosed bad blower motor for climate Control. need to replace blower motor.
Aug 07, 2023	Service	18,840	Perform 500 Service Hour Maintena	Performed 500 hour pm service Changed engine oil Changed all fuel filters Inspected belts Greased all service points Replaced outer engine air filter Pulled oil samples from all fluid compartments Anti-freeze tested - degrees Inspection notes: tech performed a 500hr service On a 980h/truck p00110/customer provided all the Fluids for the Service/changed all the filters and pulled all the Samples that were needed for the service
Aug 07, 2023	Service	18,840	Travel To/from Machine	Travel to the job site Travel from the job site
Jun 30, 2023	Service	17,926	Weld Blade	Complaint : cracked welds Cause : Resultant damage : Correction : air arched the old welds off then i Gouged the crack out to ensure the penetration. Grinded area clean of slag and paint. weld up the Crack and around the mounting bracket of bucket. Cut the weld off both sides of the bracket to Ensure it wasnt cracked. let bucket cool then Applied new coat of paint after cleaning up welds.
Jun 30, 2023	Service	17,926	Transport Blade	Complaint : Cause : Resultant damage : Correction :
Jun 20, 2023	Service	17,933	Travel To/from Machine	125 hv chandler rd.
Jun 20, 2023	Service	17,933	Perform 2000 Service Hour Mainten	Usage rate per day: 13.18 Perform 2000 hour pm service Changed all filters Changed all fluids Inspected machine Greased all service points Pulled sos samples from all fluid compartments Inspection notes:

Jun 14, 2023	Service	17,925	Troubleshoot Diesel Exhaust Fluid	Complaint :def injector got very loose and was Leaking and derating Cause :loose injector Resultant damage :derating Correction :customer tightened def injector back Down after it had got loose, but still derating. i Cleared the codes and ran a aftertreatment system Function test and ok. ran aftertreatment recovery Procedure. attached before and after psrpt.
May 30, 2023	Parts			
May 26, 2023	Parts			
May 25, 2023	Parts			
May 22, 2023	Service	17,388	Remove & Install Fuel Tank	Complaint; fuel tank contaminated Cause; cap left off Resultant damage; trash in tank Correction; removed fuel tank to take to shop and Clean out. returned to machine and reinstalled Tank. had to replace hose to oil cooler that was Mounted to tank. hose was dry rotted and leaking.
May 22, 2023	Service	17,388	Travel To/from Field Service	Travel to machine
May 22, 2023	Service	17,388	Clean, Flush, Test Fuel Tank	Complaint; fuel tank contaminated Cause; cap left off Resultant damage; contaminated Correction: drained fuel out of tank and ran Pressure washer through tank. flushed tank several Times til rinse ran clear.
May 19, 2023	Service	17,622	Troubleshoot Fuel System	Complaint :low fuel pressure Cause : fuel filters Resultant damage :n/a Correction :the tank was just cleaned out on the Machine and filters were not changed i changed the Filters and ran it through several fuel rail Pressure test and fuel pressure relief valve Tests, machine is good to go at this time.
May 19, 2023	Service	17,622	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198
May 04, 2023	Service	17,172	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198
May 04, 2023	Service	17,172	Troubleshoot Clean Emissions Module	Complaint :def codes Cause :bad def in the tank Resultant damage :n/a Correction :i arived at the machine and saw the Code for high def concentration, i checked the def And it was infact bad def fluid, i drained the Tank out and the def filter, and put good df in The machine. ran machine and all codes cleared Out.
May 01, 2023	Service	17,172	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198

May 01, 2023	Service	17,172	Replace With New Diesel Exhaust Fluid Modu	Complaint :high def quality Cause :bad def Resultant damage :n/a Correction :arrived at the machine examined codes And then checked the def quality again, it was bad, I drained tank and cleaned it out and refilled Tank with good def, ran the machine and codes Cleared themselves, while at the machine customer Got me to check several jugs of def, finding alot Of bad jugs and some good jugs.
May 01, 2023	Service	17,172		
May 01, 2023	Service	17,172	Troubleshoot Clean Emissions Module	Complaint :def codes Cause :bad def in the tank Resultant damage :n/a Correction :i arived at the machine and saw the Code for high def concentration, i checked the def And it was infact bad def fluid, i drained the Tank out and the def filter, and put good df in The machine. ran machine and all codes cleared Out.
Apr 27, 2023	Service	17,172	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198
Apr 27, 2023	Service	17,172	Replace With New Diesel Exhaust Fluid Modu	Complaint :high def quality Cause :bad def Resultant damage :n/a Correction :arrived at the machine examined codes And then checked the def quality again, it was bad, I drained tank and cleaned it out and refilled Tank with good def, ran the machine and codes Cleared themselves, while at the machine customer Got me to check several jugs of def, finding alot Of bad jugs and some good jugs.
Apr 27, 2023	Service	17,172	Troubleshoot Clean Emissions Module	Complaint :def codes Cause :bad def in the tank Resultant damage :n/a Correction :i arived at the machine and saw the Code for high def concentration, i checked the def And it was infact bad def fluid, i drained the Tank out and the def filter, and put good df in The machine. ran machine and all codes cleared Out.
Apr 27, 2023	Service	17,172		
Apr 26, 2023	Service	17,245	Replace Diesel Exhaust Fluid Modu	Complaint : def concentration high Cause :bad def Resultant damage :n/a Correction :arrived at the machine and examined The codes, checked the def quality and found that It was bad, drained the def out of it and flushed The tank out, refilled with good def, while i was There they got me to check several of their def Jugs, i found that several were bad and some were Good.
Apr 26, 2023	Service	17,245	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198
Apr 20, 2023	Parts			
Mar 29, 2023	Service	16,667	Travel To/from Machine	Madison plant Colbert, ga Colbert, ga 125 hv chandler rd. Colbert, ga 30628 Ga 910-477-1198

Mar 29, 2023	Service	16,667	Troubleshoot Fuel System	Complaint : customer stated that the machine had High and low rail pressure codes. Cause : inline fuel filter plugged. Resultant damage : fuel flow restricted. Correction : removed and installed new inline fuel Filter. performed a rail pressure test and relief Valve test. both test passed successfully. ran Machine and confirmed the machine was not losing Power. notified customer and returned machine to Service.
Jan 10, 2023	Service	14,797	Travel To/from Machine	
Jan 10, 2023	Service	14,797	Perform 1000 Service Hour Mainten	
Jan 10, 2023	Service	14,797	Perform 1000 Service Hour Mainten	
Jan 10, 2023	Service	14,797	Travel To/from Machine	
Dec 15, 2022	Service	14,797	Perform 1000 Service Hour Mainten	
Dec 15, 2022	Service	14,797	Travel To/from Machine	
Sep 30, 2022	Service	14,734	Remove & Install Window Glass	
Sep 30, 2022	Service	14,734	Transport Machine	
Sep 30, 2022	Service	14,734	Repair Bucket	
Aug 22, 2022	Service	13,960	Perform 500 Service Hour Maintena	
Aug 22, 2022	Service	13,960	Travel To/from Machine	
Aug 12, 2022	Service	13,932	Replace Invalid Use 730d	
Aug 12, 2022	Service	13,932	Travel To/from Machine	

Aug 11, 2022	Service	13,390	Travel To/from Machine	
Aug 11, 2022	Service	13,390	Troubleshoot Battery	
Jul 21, 2022	Service	13,271	Travel To/from Machine	
Jul 21, 2022	Service	13,271	Perform 2000 Service Hour Mainten	
Jul 21, 2022	Service	13,271	Travel To/from Machine	
Jul 21, 2022	Service	13,271	Perform 2000 Service Hour Mainten	
May 26, 2022	Service	12,677	Invalid:use Job Code 010 Diesel Exhaust Fluid Tank	
May 26, 2022	Service	12,677	Travel To/from Machine	
May 26, 2022	Service	12,677	Troubleshoot Clean Emissions Module	
May 12, 2022	Service	12,655	Travel To/from Machine	
May 12, 2022	Service	12,655	Perform 1000 Service Hour Mainten	INSPECTED BELTS PULLED SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED -30 DEGREES INSPECTION NOTES:
May 12, 2022	Service	12,655	Perform 1000 Service Hour Mainten	INSPECTED BELTS PULLED SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED -30 DEGREES INSPECTION NOTES:
May 12, 2022	Service	12,655	Travel To/from Machine	
May 05, 2022	Parts			
Apr 15, 2022	Service	12,077	Invalid: Use Jobcode 035 Fuel System	



Apr 15, 2022	Service	12,077	Repair Fuel System	
Apr 15, 2022	Service	12,077	Travel To/from Machine	
Apr 07, 2022	Parts			
Mar 11, 2022	Service	11,438	P00135 Will Davis❖ Invalid:use Compcode 5102	
Mar 11, 2022	Service	11,438	P00135 Will Davis❖ Invalid:use Compcode 5102	
Mar 03, 2022	Service	11,709	Perform 2000 Service Hour Mainten	
Mar 03, 2022	Service	11,709	Travel To/from Machine	
Mar 03, 2022	Service	11,709	Perform 2000 Service Hour Mainten	
Mar 03, 2022	Service	11,709	Travel To/from Machine	
Mar 03, 2022	Service	11,526	Perform 5000 Service Hour Mainten	INSPECTED BELTS CHANGED TRANSMISSION OIL PULLED SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED - DEGREES INSPECTION NOTES:
Mar 03, 2022	Service	11,526	Travel To/from Machine	
Mar 03, 2022	Service	11,526	Travel To/from Machine	
Mar 03, 2022	Service	11,526	Perform 5000 Service Hour Mainten	INSPECTED BELTS CHANGED TRANSMISSION OIL PULLED SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED - DEGREES INSPECTION NOTES:
Feb 22, 2022	Service	11,372	Invalid: Use Jobcode 035 Drive Shaft	FURTHER DAMAGE IF MACHINE NEEDED TO BE MOVED. ADVISED CUSTOMER OF FINDINGS. RECOMMENDED THAT THE SPIDERS FOR THE ENTIRE DRIVESHAFT BE REPLACED.

Feb 22, 2022	Service	11,372	Install Drive Shaft	
Feb 22, 2022	Service	11,372	Invalid - Use Jobcode 023 Drive Shaft	
Feb 22, 2022	Service	11,372	Travel To/from Machine	
Feb 22, 2022	Service	11,372	Invalid: Use Jobcode 070 Drive Shaft	
Feb 07, 2022	Parts			
Dec 30, 2021	Service	10,594	Replace Turbocharger	
Dec 30, 2021	Service	10,594	Travel To/from Machine	
Dec 30, 2021	Service	9,768	Invalid Use 510,511 Or513 Tilt Link	
Dec 30, 2021	Service	9,768	Travel To/from Machine	
Dec 01, 2021	Service	10,011	Replace Fuel Transfer Pump	
Dec 01, 2021	Service	10,011	Do Not Use/ Use 035 Clean Emissions Module	
Dec 01, 2021	Service	10,011	Travel To/from Machine	
Nov 18, 2021	Service	10,347	Perform 2000 Service Hour Mainten	INSPECTED MACHINE GREASED ALL SERVICE POINTS PULLED SOS SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED - DEGREES INSPECTION NOTES:
Nov 18, 2021	Service	10,347	Travel To/from Machine	
Nov 18, 2021	Service	10,347	Perform 2000 Service Hour Mainten	INSPECTED MACHINE GREASED ALL SERVICE POINTS PULLED SOS SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED - DEGREES INSPECTION NOTES:

Nov 18, 2021	Service	10,347	Travel To/from Machine	
Sep 03, 2021	Service	9,321	Perform 500 Service Hour Maintena	REPLACED OUTER ENGINE AIR FILTER PULLED OIL SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED - DEGREES INSPECTION NOTES:
Sep 03, 2021	Service	9,321	Travel To/from Machine	
Sep 03, 2021	Service	9,321	Perform 500 Service Hour Maintena	REPLACED OUTER ENGINE AIR FILTER PULLED OIL SAMPLES FROM ALL FLUID COMPARTMENTS ANTI-FREEZE TESTED - DEGREES INSPECTION NOTES:
Sep 03, 2021	Service	9,321	Travel To/from Machine	
Aug 27, 2021	Service	9,346	Invalid:usejob Code 053 Training Program	
Aug 27, 2021	Service	9,346	Invalid:usejob Code 053 Training Program	
Aug 27, 2021	Service	9,346	Do Not Use/ Use 035 Grease Lines	
Aug 27, 2021	Service	9,346	Do Not Use/ Use 035 Invalid Comp Code 1401 Ch	
Aug 27, 2021	Service	9,346	Travel To/from Machine	
Aug 27, 2021	Service	9,346	Do Not Use/ Use 035 Air Conditioner	
Jul 26, 2021	Service	9,006	Repair Fuel Transfer Pump	
Jul 26, 2021	Service	9,006	Travel To/from Machine	
Jul 26, 2021	Service	9,006	Do Not Use/ Use 035 Grease Lines	

Jul 22, 2021	Service	8,852	Perform 3000 Service Hour Mainten	Change hyd oil
Jul 22, 2021	Service	8,852	Travel To/from Machine	Change hyd oil
Jul 22, 2021	Service	8,852	Travel To/from Machine	Change hyd oil
Jul 22, 2021	Service	8,852	Perform 3000 Service Hour Mainten	Change hyd oil
Jul 15, 2021	Service	8,627	Do Not Use Charge Code Do Not Use Comp Code	
Jul 15, 2021	Service	8,627	Install Software	
Jul 15, 2021	Service	8,627	Do Not Use/ Use 035 Do Not Use Comp Code	
Jul 15, 2021	Service	8,627	Do Not Use/ Use 035 Do Not Use Comp Code	
Jul 15, 2021	Service	8,627	Travel To/from Machine	
Jul 15, 2021	Service	8,627	Install Software	
Jul 15, 2021	Service	8,627	Do Not Use Charge Code Do Not Use Comp Code	
Jun 02, 2021	Service	8,348	Perform 500 Service Hour Maintena	Only change if needed
Jun 02, 2021	Service	8,348	Travel To/from Machine	Only change if needed
Jun 02, 2021	Service	8,348	Travel To/from Machine	Only change if needed

Jun 02, 2021	Service	8,348	Replace Secondary Air Filter Elem	Only change if needed
Jun 02, 2021	Service	8,348	Perform 500 Service Hour Maintena	Only change if needed
Apr 23, 2021	Service	7,857	Perform 2000 Service Hour Mainten	
Apr 23, 2021	Service	7,857	Replace Invalid:use Compcode 7342	
Apr 23, 2021	Service	7,857	Travel To/from Machine	
Apr 23, 2021	Service	7,857	Perform 2000 Service Hour Mainten	
Apr 23, 2021	Service	7,857	Travel To/from Machine	
Apr 23, 2021	Service	7,857	Replace Invalid:use Compcode 7342	
Mar 05, 2021	Parts			
Feb 26, 2021	Service	7,420	Replace Back-up Alarm	
Feb 26, 2021	Service	7,420	Travel To/from Machine	
Feb 26, 2021	Service	7,420	Replace Back-up Alarm	
Feb 26, 2021	Service	7,420	Travel To/from Machine	
Feb 22, 2021	Service	7,354	Perform 500 Service Hour Maintena	
Feb 22, 2021	Service	7,354	Replace Secondary Air Filter Elem	

Feb 22, 2021	Service	7,354	Travel To/from Machine
Feb 22, 2021	Service	7,354	Perform 500 Service Hour Maintena
Feb 22, 2021	Service	7,354	Travel To/from Machine
Feb 22, 2021	Service	7,354	Replace Secondary Air Filter Elem
Jan 21, 2021	Service	6,852	Travel To/from Machine
Jan 21, 2021	Service	6,852	Do Not Use/ Use 035 Engine Cooling System
Jan 19, 2021	Parts		
Jan 15, 2021	Service	6,840	Do Not Use Job Code Invalid:use Compcode 0644
Jan 15, 2021	Service	6,840	Do Not Use Job Code Invalid:use Compcode 0644
Jan 15, 2021	Service	6,840	Do Not Use/ Use 035 Transmission
Jan 15, 2021	Service	6,840	Do Not Use/ Use 035 Transmission
Jan 15, 2021	Service	6,840	Travel To/from Machine
Jan 15, 2021	Service	6,840	Do Not Use/ Use 035 Transmission

Jan 15, 2021	Service	6,840	Do Not Use Job Code Invalid:use Compcode 0644	
Dec 18, 2020	Service	6,839	Perform 6000 Service Hour Mainten	Change hyd oil
Dec 18, 2020	Service	6,839	Travel To/from Machine	Change hyd oil
Dec 18, 2020	Service	6,839	Perform 6000 Service Hour Mainten	Change hyd oil
Dec 18, 2020	Service	6,839	Travel To/from Machine	Change hyd oil
Nov 12, 2020	Service	6,433	Not A Valid Job Code Do Not Use Comp Code	
Nov 12, 2020	Service	6,433	Do Not Use/ Use 035 Clean Emissions Module	
Nov 12, 2020	Service	6,433	Travel To/from Machine	
Nov 12, 2020	Service	6,433	Invalid: Use Jobcode 557 Use Comp Code 756p	
Nov 12, 2020	Service	6,433	Do Not Use/ Use 035 Clean Emissions Module	
Nov 12, 2020	Service	6,433	Not A Valid Job Code Do Not Use Comp Code	
Nov 09, 2020	Service	6,356	Replace Secondary Air Filter Elem	
Nov 09, 2020	Service	6,356	Perform 500 Service Hour Maintena	

Nov 09, 2020	Service	6,356	Travel To/from Machine
Nov 09, 2020	Service	6,356	Replace Secondary Air Filter Elem
Nov 09, 2020	Service	6,356	Travel To/from Machine
Nov 09, 2020	Service	6,356	Perform 500 Service Hour Maintena
Oct 26, 2020	Service	3,301	Not A Valid Job Code
Oct 26, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Oct 26, 2020	Service	3,301	Perform Product Support Pgm (psp)
Oct 26, 2020	Service	3,301	Travel To/from Machine
Oct 26, 2020	Service	3,301	Replace Secondary Fuel Filter
Oct 26, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Oct 26, 2020	Service	3,301	Repair Grease Lines
Oct 26, 2020	Service	3,301	Travel To/from Machine
Oct 26, 2020	Service	3,301	Not A Valid Job Code
Oct 26, 2020	Service	3,301	Perform Product Support Pgm (psp)
Oct 26, 2020	Service	3,301	Replace Secondary Air Filter Elem



Oct 26, 2020	Service	3,301	Travel To/from Machine
Oct 26, 2020	Service	3,301	Not A Valid Job Code
Oct 26, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Oct 26, 2020	Service	3,301	Perform Product Support Pgm (psp)
Oct 26, 2020	Service	3,301	Travel To/from Machine
Oct 26, 2020	Service	3,301	Replace Secondary Air Filter Elem
Oct 26, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Oct 26, 2020	Service	3,301	Perform Product Support Pgm (psp)
Oct 26, 2020	Service	3,301	Travel To/from Machine
Oct 26, 2020	Service	3,301	Travel To/from Machine
Oct 26, 2020	Service	3,301	Replace Secondary Fuel Filter
Oct 26, 2020	Service	3,301	Not A Valid Job Code
Oct 26, 2020	Service	3,301	Repair Grease Lines
Oct 15, 2020	Service	5,797	Do Not Use/ Use 035 Light(s)
Oct 15, 2020	Service	5,921	Do Not Use/ Use 035 Floodlight

Oct 12, 2020	Service	5,921	Travel To/from Machine
Oct 12, 2020	Service	5,921	Perform 1000 Service Hour Mainten
Oct 12, 2020	Service	5,921	Travel To/from Machine
Oct 12, 2020	Service	5,921	Perform 1000 Service Hour Mainten
Sep 10, 2020	Service	5,288	Replace Secondary Air Filter Elem
Sep 10, 2020	Service	5,288	Travel To/from Machine
Sep 10, 2020	Service	5,288	Perform 500 Service Hour Maintena
Sep 10, 2020	Service	5,288	Travel To/from Machine
Sep 10, 2020	Service	5,288	Replace Secondary Air Filter Elem
Sep 10, 2020	Service	5,288	Perform 500 Service Hour Maintena
Aug 20, 2020	Service	4,754	Travel To/from Machine
Aug 20, 2020	Service	4,754	Perform 2000 Service Hour Mainten
Aug 20, 2020	Service	4,754	Perform 2000 Service Hour Mainten
Aug 20, 2020	Service	4,754	Travel To/from Machine

Jul 30, 2020	Service	4,431	Replace Invalid:use Compcode 4203
Jun 19, 2020	Service	3,536	Perform 1000 Service Hour Mainten
Jun 19, 2020	Service	3,536	Travel To/from Machine
Jun 19, 2020	Service	3,536	Perform 1000 Service Hour Mainten
Jun 19, 2020	Service	3,536	Travel To/from Machine
Jun 12, 2020	Parts		
Jun 09, 2020	Service	3,301	Not A Valid Job Code
Jun 09, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Jun 09, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Jun 09, 2020	Service	3,301	Perform Product Support Pgm (psp)
Jun 09, 2020	Service	3,301	Travel To/from Machine
Jun 09, 2020	Service	3,301	Replace Secondary Fuel Filter
Jun 09, 2020	Service	3,301	Replace Secondary Air Filter Elem
Jun 09, 2020	Service	3,301	Travel To/from Machine
Jun 09, 2020	Service	3,301	Not A Valid Job Code

Jun 09, 2020	Service	3,301	Travel To/from Machine
Jun 09, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Jun 09, 2020	Service	3,301	Repair Grease Lines
Jun 09, 2020	Service	3,301	Perform Product Support Pgm (psp)
Jun 09, 2020	Service	3,301	Not A Valid Job Code
Jun 09, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Jun 09, 2020	Service	3,301	Perform Product Support Pgm (psp)
Jun 09, 2020	Service	3,301	Travel To/from Machine
Jun 09, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
Jun 09, 2020	Service	3,301	Replace Secondary Fuel Filter
Jun 09, 2020	Service	3,301	Not A Valid Job Code
Jun 09, 2020	Service	3,301	Replace Secondary Air Filter Elem
Jun 09, 2020	Service	3,301	Perform Product Support Pgm (psp)
Jun 09, 2020	Service	3,301	Travel To/from Machine
Jun 09, 2020	Service	3,301	Repair Grease Lines

Jun 09, 2020	Service	3,301	Travel To/from Machine
Jun 04, 2020	Service	3,452	Replace Light(s)
Jun 04, 2020	Service	3,452	Replace Light(s)
Jun 04, 2020	Service	3,452	Travel To/from Machine
Jun 04, 2020	Service	3,452	Replace Light(s)
Jun 04, 2020	Service	3,452	Travel To/from Machine
May 29, 2020	Service	3,301	Not A Valid Job Code
May 29, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
May 29, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System
May 29, 2020	Service	3,301	Perform Product Support Pgm (psp)
May 29, 2020	Service	3,301	Travel To/from Machine
May 29, 2020	Service	3,301	Not A Valid Job Code
May 29, 2020	Service	3,301	Replace Secondary Air Filter Elem
May 29, 2020	Service	3,301	Replace Secondary Fuel Filter
May 29, 2020	Service	3,301	Travel To/from Machine
May 29, 2020	Service	3,301	Do Not Use/ Use 035 Product Link System

May 29, 2020	Service	3,301	Perform Product Support Pgm (psp)
May 29, 2020	Service	3,301	Repair Grease Lines
May 29, 2020	Service	3,301	Travel To/from Machine
Mar 31, 2020	Service	2,914	Adjust Diesel Exhaust Fluid Pump
Mar 31, 2020	Service	2,914	Travel To/from Machine
Mar 31, 2020	Service	2,914	Adjust Diesel Exhaust Fluid Pump
Mar 31, 2020	Service	2,914	Travel To/from Machine
Mar 20, 2020	Service	2,814	Repair Drive Shaft
Mar 20, 2020	Service	2,814	Travel To/from Machine
Mar 20, 2020	Service	2,814	Travel To/from Machine
Mar 20, 2020	Service	2,814	Repair Drive Shaft
Mar 17, 2020	Service	2,557	Repair Drive Shaft
Mar 17, 2020	Service	2,557	Adjust Heater& Air Conditioner
Mar 17, 2020	Service	2,557	Adjust Heater& Air Conditioner
Mar 17, 2020	Service	2,557	Repair Drive Shaft
Mar 17, 2020	Service	2,557	Travel To/from Machine

Mar 17, 2020	Service	2,557	Travel To/from Machine
Mar 17, 2020	Service	2,557	Install Floodlight
Mar 17, 2020	Service	2,557	Adjust Heater& Air Conditioner
Mar 17, 2020	Service	2,557	Repair Drive Shaft
Mar 06, 2020	Service	2,827	Travel To/from Machine
Mar 06, 2020	Service	2,827	Replace Secondary Air Filter Elem
Mar 06, 2020	Service	2,827	Perform 500 Service Hour Maintena
Mar 06, 2020	Service	2,827	Replace Secondary Air Filter Elem
Mar 06, 2020	Service	2,827	Travel To/from Machine
Mar 06, 2020	Service	2,827	Perform 500 Service Hour Maintena
Jan 31, 2020	Service	1,263	Repair Grease Lines
Jan 31, 2020	Service	1,263	Repair Grease Lines
Jan 31, 2020	Service	1,263	Travel To/from Machine
Jan 10, 2020	Service	2,357	Do Not Use/ Use 035 Diesel Exhaust Fluid Inje
Jan 10, 2020	Service	2,357	Do Not Use/ Use 035 Diesel Exhaust Fluid Inje

Jan 10, 2020	Service	2,357	Travel To/from Do Not Use Comp Code
Jan 10, 2020	Service	2,357	Do Not Use/ Use 035 Diesel Exhaust Fluid Inje
Jan 10, 2020	Service	2,357	Travel To/from Do Not Use Comp Code
Jan 08, 2020	Service	2,349	Travel To/from Machine
Jan 08, 2020	Service	2,349	Perform 2000 Service Hour Mainten
Jan 08, 2020	Service	2,349	Replace Secondary Air Filter Elem
Jan 08, 2020	Service	2,349	Replace Secondary Air Filter Elem
Jan 08, 2020	Service	2,349	Perform 2000 Service Hour Mainten
Jan 08, 2020	Service	2,349	Travel To/from Machine
Dec 31, 2019	Service	2,298	Repair Drive Shaft
Dec 31, 2019	Service	2,298	Repair Light(s)
Dec 31, 2019	Service	2,298	Repair Light(s)
Dec 31, 2019	Service	2,298	Repair Drive Shaft
Dec 31, 2019	Service	2,298	Repair Grease Lines
Dec 31, 2019	Service	2,298	Travel To/from Machine
Dec 31, 2019	Service	2,298	Repair Light(s)











Dec 31, 2019	Service	2,298	Repair Drive Shaft
Dec 31, 2019	Service	2,298	Travel To/from Machine
Dec 31, 2019	Service	2,298	Repair Grease Lines
Nov 25, 2019	Service	1,759	Replace Secondary Air Filter Elem
Nov 25, 2019	Service	1,759	Perform 500 Service Hour Maintena
Nov 25, 2019	Service	1,759	Travel To/from Machine
Nov 25, 2019	Service	1,759	Perform 500 Service Hour Maintena
Nov 25, 2019	Service	1,759	Travel To/from Machine
Nov 25, 2019	Service	1,759	Replace Secondary Air Filter Elem
Oct 21, 2019	Service	1,302	Perform 1000 Service Hour Mainten
Oct 21, 2019	Service	1,302	Replace Secondary Air Filter Elem
Oct 21, 2019	Service	1,302	Travel To/from Machine
Oct 21, 2019	Service	1,302	Perform 1000 Service Hour Mainten
Oct 21, 2019	Service	1,302	Travel To/from Machine
Oct 21, 2019	Service	1,302	Replace Secondary Air Filter Elem



Sep 16, 2019	Service	773	Travel To/from Machine	Intial 500
Sep 16, 2019	Service	773	Replace Secondary Air Filter Elem	Intial 500
Sep 16, 2019	Service	773	Perform 500 Service Hour Maintena	Intial 500
Sep 16, 2019	Service	773	Perform 500 Service Hour Maintena	Intial 500
Sep 16, 2019	Service	773	Replace Secondary Air Filter Elem	Intial 500
Sep 16, 2019	Service	773	Wait Do Not Use - Use 0373	Intial 500
Sep 16, 2019	Service	773	Travel To/from Machine	Intial 500
Aug 20, 2019	Service	313	Do Not Use Charge Code Do Not Use Comp Code	
Aug 20, 2019	Service	313	Replace Grease Lines	
Aug 20, 2019	Service	313	Replace Grease Lines	
Aug 20, 2019	Service	313	Travel To/from Machine	
Aug 20, 2019	Service	313	Replace Grease Lines	
Aug 20, 2019	Service	313	Do Not Use Charge Code Do Not Use Comp Code	
Aug 20, 2019	Service	313	Travel To/from Machine	
Jun 28, 2019	Parts			
Jun 28, 2019	Parts			







Jun 21, 2019	Service	17	Clean Machine
Jun 21, 2019	Service	17	Assemble Fork Tines
Apr 30, 2019	Service	5	Install Guard
Apr 30, 2019	Service	5	Install Quick Coupler
Jan 28, 2019	Service	5	Touch-up Machine
Jan 28, 2019	Service	5	Activate Product Link System
Jan 28, 2019	Service	5	Invalid: Use Jobcode 050 Machine








FLUID ANALYSIS (180 Records)

Mar 06, 2025	<div><div></div></div> Monitor	18,999	Hydraulic System	ELEVATED COPPER APPEARS TO BE RESIDUALS FROM A COMPOUND USED IN ASSEMBLY OR REPAIR. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. OIL FILTER CHANGE INDICATED RESAMPLE IN 250 HOURS TO MONITOR.
May 10, 2024	<div><div></div></div> No Action Required	21,595	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 10, 2024	<div><div></div></div> No Action Required	21,595	Differential Rear	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 10, 2024	<div><div></div></div> No Action Required	21,595	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 10, 2024	<div><div></div></div> No Action Required	21,595	Radiator	ALL TESTS APPEAR NORMAL FOR THIS COOLANT. SAMPLE AGAIN AT REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.
May 10, 2024	<div><div></div></div> Monitor	21,595	Hydraulic System	ELEVATED IRON MAY BE DUE TO PUMP WEAR. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. RESAMPLE IN 250 HOURS TO MONITOR.
May 10, 2024	<div><div></div></div> Action Required	21,595	Engine	COOLANT CONTAMINATION DETECTED. CURRENT WEAR METAL READINGS MAY BE DUE TO CARRY-OVER FROM PREVIOUS OIL DRAIN. INVESTIGATE POSSIBLE SOURCES OF COOLANT ENTRY AND REPAIR AS NECESSARY. OIL CHANGE INDICATED. RESAMPLE IN 125 HOURS TO MONITOR.









Jan 04, 2024	 Action Required	20,455	Engine	COOLANT CONTAMINATION DETECTED. INVESTIGATE POSSIBLE SOURCES OF COOLANT ENTRY AND REPAIR AS NECESSARY. OIL CHANGE INDICATED. RESAMPLE IN 125 HOURS TO MONITOR.
Jan 04, 2024	 No Action Required	20,455	Differential Rear	NORMAL WEAR METAL READINGS. OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Jan 04, 2024	 No Action Required	20,455	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 04, 2024	 No Action Required	20,455	Differential Front	NORMAL WEAR METAL READINGS. OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Jan 04, 2024	 No Action Required	20,455	Radiator	ALL TESTS APPEAR NORMAL FOR THIS COOLANT. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.
Jan 04, 2024	 Monitor	20,455	Hydraulic System	IRON LEVEL APPEARS HIGH. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. OIL FILTER CHANGE INDICATED RESAMPLE IN 250 HOURS TO MONITOR.
Oct 19, 2023	 No Action Required	19,973	Differential Rear	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 19, 2023	 Monitor	19,973	Hydraulic System	ELEVATED IRON MAY BE DUE TO GEAR WEAR. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. RESAMPLE IN 250 HOURS TO MONITOR.








Oct 19, 2023	 No Action Required	19,973	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 19, 2023	 Monitor	19,973	Radiator	SLIGHTLY HIGH READING FOR COPPER CORROSION. NITRITE LEVEL IS LOW TO PROVIDE CORROSION / EROSION PROTECTION. ADD 1.5 BOTTLES OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST NITRITE. ALL OTHER TESTS APPEAR NORMAL. RESAMPLE AT HALF THE NEXT REGULAR INTERVAL TO MONITOR.
Oct 19, 2023	 No Action Required	19,793	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 19, 2023	 Action Required	19,973	Engine	TRACE LEVEL OF WATER DETECTED. COOLANT CONTAMINATION DETECTED. INVESTIGATE POSSIBLE SOURCES OF COOLANT ENTRY AND REPAIR AS NECESSARY. OIL CHANGE INDICATED. RESAMPLE IN 125 HOURS TO MONITOR.
Sep 26, 2023	 Monitor	0	Engine	SODIUM AND POTASSIUM REMAIN ELEVATED. THIS SAMPLE IS POSITIVE FOR WATER CONTAMINATION. INVESTIGATE POSSIBLE SOURCES OF WATER ENTRY AND MREPAIR AS NECESSARY. RESAMPLE AT HALF THE RECOMMENDED INTERVAL TO MONITOR
Sep 26, 2023	 Monitor	0	Engine	SODIUM AND POTASSIUM REMAIN ELEVATED. THIS SAMPLE IS POSITIVE FOR WATER CONTAMINATION. INVESTIGATE POSSIBLE SOURCES OF WATER ENTRY AND MREPAIR AS NECESSARY. RESAMPLE AT HALF THE RECOMMENDED INTERVAL TO MONITOR
Sep 01, 2023	 No Action Required	19,365	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









Sep 01, 2023	 No Action Required	19,365	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 01, 2023	 Action Required	19,365	Engine	<b>**ACTION REQUIRED**</b> SODIUM AND POTASSIUM ARE ELEVATED, THIS IS COOLANT CONTAMINATION. STOP ENGINE AND INSPECT FOR SOURCE OF COOLANT. DRAIN AND FLUSH COMPARTMENT TO REMOVE CONTAMINANTS AND REPAIR AS NEEDED. SAMPLE 10 HRS AFTER SERVICE TO CONFIRM REPAIRS.
Sep 01, 2023	 No Action Required	19,365	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 01, 2023	 Monitor	19,365	Hydraulic System	IRON IS ELEVATED. NO CONTAMINANTS DETECTED OR ANY OTHER INDICATION OF WHAT MAY BE CAUSING ACCELERATED WEAR. SUGGEST CHECKING MAGNETIC SCREEN OR CUTTING OPEN THE OLD FILTER TO INSPECT FOR WEAR DEBRIS. CHECK FOR UNUSUAL PERFORMANCE, HEAT, NOISES, VIBRATIONS, FLUID LEVELS. RECOMMEND OIL CHANGE. RESAMPLE AT HALF THE NORMAL INTERVAL.
Jul 20, 2023	 Monitor	18,840	Radiator	COPPER IS HIGH. AS A PRECAUTION, CHECK FOR POSSIBLE AIR ENTRY/ LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED (E.G. TOP TANK NOT BEING FULL, LOOSE/DAMAGED RADIATOR CAP, ETC.). NITRITE LEVEL IS LOW TO PROVIDE CORROSION / EROSION PROTECTION. ADD 1 BOTTLE OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST NITRITE. ALL OTHER TESTS APPEAR NORMAL. RESAMPLE AT HALF THE NEXT REGULAR INTERVAL TO MONITOR.
Jul 20, 2023	 No Action Required	18,840	Hydraulic System	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









Jul 20, 2023	 No Action Required	18,840	Differential Rear	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jul 20, 2023	 No Action Required	18,840	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jul 20, 2023	 No Action Required	18,840	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jul 20, 2023	 Action Required	18,840	Engine	TRACE LEVEL OF WATER DETECTED. COOLANT CONTAMINATION DETECTED. INVESTIGATE POSSIBLE SOURCES OF COOLANT ENTRY AND REPAIR AS NECESSARY. OIL CHANGE INDICATED. RESAMPLE IN 125 HOURS TO MONITOR.
Oct 03, 2022	 Action Required	14,797	Radiator	NITRITE IS LOW. COPPER IS TRENDING UP. CHECK FOR POSSIBLE OVERHEATING, RESTRICTED FLOW AND/OR AIR LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED. DRAIN COOLANT,CLEAN THE SYSTEM AND FLUSH (AT LEAST 3-4 TIMES WITH WATER).THEN REPLENISH WITH THE RECOMMENDED COOLANT FOR THIS MACHINE (CHECK MAINTENANCE MANUAL). RESAMPLE IN 30 DAYS TO MONITOR.
Oct 03, 2022	 Monitor	14,797	Differential Front	TRACE/LOW LEVELS OF WATER DETECTED (0.1%) MAY BE CONDENSATION. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. RESAMPLE IN 250 HOURS TO MONITOR.
Oct 03, 2022	 No Action Required	14,797	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
















Oct 03, 2022	 Monitor	14,797	Hydraulic System	IRON LEVEL APPEARS HIGH. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. OIL FILTER CHANGE INDICATED RESAMPLE IN 250 HOURS TO MONITOR.
Oct 03, 2022	 No Action Required	14,797	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 03, 2022	 No Action Required	14,797	Engine	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 07, 2022	 No Action Required	13,960	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 07, 2022	 No Action Required	13,960	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 07, 2022	 No Action Required	13,960	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 07, 2022	 No Action Required	13,960	Engine	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 07, 2022	 No Action Required	13,960	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.


Aug 03, 2022	 Monitor	13,960	Radiator	NITRITE IS LOW. COPPER IS ELEVATED. KEEP MONITORING. CHECK FOR POSSIBLE OVERHEATING, RESTRICTED FLOW AND/OR AIR LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED. ADD 1 BOTTLE OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR.
Jun 21, 2022	 Monitor	13,271	Radiator	NITRITE IS LOW. COPPER IS ELEVATED. GLYCOL OXIDATION IS ELEVATED. CHECK FOR POSSIBLE OVERHEATING, RESTRICTED FLOW AND/OR AIR LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED. ADD 1 BOTTLE OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR.
Jun 21, 2022	 No Action Required	13,271	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jun 21, 2022	 Monitor	13,271	Engine	TRACE/LOW LEVELS OF WATER DETECTED (0.1%) MAY BE CONDENSATION. SUSPECT BEARING/BUSHING WEAR. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. OIL CHANGE INDICATED. RESAMPLE IN 250 HOURS TO MONITOR.
Jun 21, 2022	 No Action Required	13,271	Differential Rear	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Jun 21, 2022	 No Action Required	13,271	Hydraulic System	NORMAL WEAR METAL READINGS OIL FILTER CHANGE INDICATED RESAMPLE AT THE NEXT SERVICE INTERVAL.
Jun 21, 2022	 No Action Required	13,271	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









May 03, 2022	 Monitor	12,655	Engine	ALUMINUM IS HIGH. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. OIL CHANGE INDICATED. RESAMPLE IN 250 HOURS TO MONITOR.
May 03, 2022	 No Action Required	12,655	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 03, 2022	 No Action Required	12,655	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 03, 2022	 No Action Required	12,655	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 03, 2022	 No Action Required	12,655	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 27, 2022	 Monitor	11,709	Radiator	COPPER CORROSION IS SLIGHTLY ELEVATED. INHIBITOR LEVEL IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 2% CAPACITY OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR INHIBITORS LEVELS.
Feb 27, 2022	 No Action Required	11,709	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 27, 2022	 No Action Required	11,709	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

Feb 25, 2022	 No Action Required	11,709	Differential Front	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 25, 2022	 No Action Required	11,709	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 25, 2022	 No Action Required	11,709	Engine	NORMAL WEAR METAL READINGS OIL AND FILTER CHANGE INDICATED NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 09, 2022	 No Action Required	11,526	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 09, 2022	 No Action Required	11,526	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 07, 2022	 Monitor	11,526	Differential Rear	IRON LEVEL APPEARS HIGH. CHROME IS HIGH. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. RESAMPLE IN 250 HOURS TO MONITOR.
Feb 07, 2022	 No Action Required	11,526	Engine	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 07, 2022	 No Action Required	11,526	Radiator	ALL ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONTINUE TO SAMPLE AT THE RECOMMENDED INTERVAL.








Feb 07, 2022	 No Action Required	11,526	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 16, 2022	 No Action Required	11,111	Engine	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Jan 16, 2022	 No Action Required	11,111	Engine	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Jan 12, 2022	 No Action Required	11,111	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 12, 2022	 No Action Required	11,111	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 12, 2022	 Monitor	11,111	Radiator	COPPER LEVEL IMPROVED. INHIBITOR LEVEL IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 1 BOTTLE OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR.
Jan 12, 2022	 No Action Required	11,111	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 12, 2022	 No Action Required	11,111	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









Jan 12, 2022	 No Action Required	11,111	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 12, 2022	 No Action Required	11,111	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 12, 2022	 No Action Required	11,111	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 12, 2022	 No Action Required	11,111	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Dec 05, 2021	 No Action Required	10,347	Engine	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Dec 05, 2021	 No Action Required	10,347	Transmission Power Shift	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Dec 05, 2021	 Monitor	10,347	Radiator	ELEVATED READING FOR COPPER CORROSION. NITRITE LEVEL IS LOW TO PROVIDE CORROSION / EROSION PROTECTION. ADD 1 BOTTLE OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST NITRITE. ALL OTHER TESTS APPEAR NORMAL. RESAMPLE AT HALF THE NEXT REGULAR INTERVAL TO MONITOR.
Dec 05, 2021	 No Action Required	10,347	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









Dec 05, 2021	 No Action Required	10,347	Hydraulic System	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Dec 05, 2021	 No Action Required	10,347	Differential Rear	NORMAL WEAR METAL READINGS OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Aug 15, 2021	 No Action Required	9,321	Differential Rear	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 15, 2021	 No Action Required	9,321	Transmission Power Shift	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 15, 2021	 No Action Required	9,321	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 15, 2021	 No Action Required	9,321	Engine	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 15, 2021	 Monitor	9,321	Radiator	COPPER IS HIGH. AS A PRECAUTION, CHECK FOR POSSIBLE AIR ENTRY/ LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED (E.G. TOP TANK NOT BEING FULL, LOOSE/DAMAGED RADIATOR CAP, ETC.). RESAMPLE IN 30 DAYS TO MONITOR FOR A LEVEL 2 ANALYSIS
Aug 15, 2021	 No Action Required	9,321	Transmission Power Shift	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









Aug 15, 2021	 No Action Required	9,321	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 15, 2021	 No Action Required	9,321	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jul 07, 2021	 No Action Required	8,852	Engine	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 31, 2021	 No Action Required	8,348	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 31, 2021	 No Action Required	8,348	Engine	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 31, 2021	 No Action Required	8,348	Hydraulic System	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 31, 2021	 No Action Required	8,348	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
May 31, 2021	 Monitor	8,348	Radiator	COPPER CORROSION IS ELEVATED. ALL OTHER ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CHECK FOR POSSIBLE OVERHEATING, RESTRICTED FLOW AND/OR AIR LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED. AS A PRECAUTION, ADD 1% CAPACITY OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR .



















May 31, 2021	 No Action Required	8,348	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 31, 2021	 No Action Required	7,855	Differential Front	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 31, 2021	 Monitor	7,855	Radiator	COPPER CORROSION IS ELEVATED. ALL OTHER ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CHECK FOR POSSIBLE OVERHEATING, RESTRICTED FLOW AND/OR AIR LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED. AS A PRECAUTION, ADD 1% CAPACITY OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR .
Mar 31, 2021	 No Action Required	7,855	Hydraulic System	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 31, 2021	 No Action Required	7,855	Engine	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 31, 2021	 No Action Required	7,855	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 31, 2021	 No Action Required	7,855	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









Feb 18, 2021	 Monitor	7,354	Radiator	COPPER CORROSION IS ELEVATED. ALL OTHER ANALYSIS READINGS ARE WITHIN THE EXPECTED RANGE FOR THIS COOLANT SAMPLE. CONSIDER SUBMITTING A SAMPLE FOR LEVEL2 ANALYSIS IN 500 HRS.
Feb 18, 2021	 No Action Required	7,354	Transmission Power Shift	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 18, 2021	 No Action Required	7,354	Hydraulic System	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 18, 2021	 No Action Required	7,354	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 18, 2021	 No Action Required	7,354	Engine	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Feb 18, 2021	 No Action Required	7,354	Differential Front	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Dec 22, 2020	 No Action Required	6,839	Hydraulic System	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Dec 22, 2020	 Monitor	6,839	Radiator	COPPER IS ELEVATED. INHIBITOR LEVEL IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 1% CAPACITY OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR INHIBITOR LEVELS.









Dec 22, 2020	 No Action Required	6,839	Transmission Power Shift	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Dec 22, 2020	 No Action Required	6,839	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Dec 22, 2020	 No Action Required	6,839	Differential Front	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Dec 22, 2020	 No Action Required	6,839	Engine	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 05, 2020	 No Action Required	6,356	Engine	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 05, 2020	 No Action Required	6,356	Transmission Power Shift	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 05, 2020	 No Action Required	6,356	Hydraulic System	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 05, 2020	 Monitor	6,356	Radiator	AMMONIA ODOR FOUND. COPPER IS HIGH. AS A PRECAUTION, CHECK FOR POSSIBLE AIR ENTRY/ LEAK INTO THE COOLING SYSTEM, AND REPAIR IF NEEDED (E.G. TOP TANK NOT BEING FULL, LOOSE/DAMAGED RADIATOR CAP, ETC.). RESAMPLE IN 30 DAYS TO MONITOR FOR A LEVEL 2 ANALYSIS

Nov 05, 2020	 No Action Required	6,356	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 05, 2020	 No Action Required	6,356	Differential Front	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 10, 2020	 No Action Required	5,921	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 10, 2020	 No Action Required	5,921	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 10, 2020	 Monitor	5,921	Radiator	NITRITE LEVEL (INHIBITOR) IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 1 QUARTS OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST NITRITE. RESAMPLE AT THE NEXT ENGINE SERVICE.
Oct 10, 2020	 No Action Required	5,921	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 10, 2020	 No Action Required	5,921	Differential Front	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 10, 2020	 No Action Required	5,921	Engine	COPPER ALONE USUALLY INDICATES COOLER CORE LEACHING AND IS NOT NORMALLY WEAR OF BRONZE/BRASS PARTS. NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.









Oct 10, 2020	 No Action Required	5,921	Hydraulic System	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 10, 2020	 No Action Required	5,288	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 10, 2020	 Monitor	5,288	Radiator	INHIBITOR LEVEL IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 2% ELC EXTENDER (CAT P / N 119- 5152) TO BOOST INHIBITOR. CONTINUE TO SAMPLE AT HALF THE REGULAR INTERVAL.
Sep 10, 2020	 No Action Required	5,288	Differential Rear	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 10, 2020	 No Action Required	5,288	Engine	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 10, 2020	 No Action Required	5,288	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 10, 2020	 No Action Required	5,288	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Sep 09, 2020	 Monitor	0	Engine	LEAD IS ELEVATED. NO INDICATION OF WHAT MAY BE CAUSING INCREASED WEAR. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. SUGGEST CUT OPEN FILTER(S) AND INSPECT FOR DEBRIS. CHECK FOR ANY UNUSUAL PERFORMANCE/ NOISES/ VIBRATIONS AND SAMPLE IN 250 HRS TO MONITOR.









Aug 17, 2020	 No Action Required	4,754	Engine	TRACE WATER PRESENT, APPEARS TO BE CONDENSATION. NORMAL WEAR METAL READINGS. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. CONTINUE NORMALLY SCHEDULED SAMPLING.
Aug 17, 2020	 No Action Required	4,754	Transmission Power Shift	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 17, 2020	 No Action Required	4,754	Differential Rear	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 17, 2020	 No Action Required	4,754	Differential Front	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 17, 2020	 Monitor	4,754	Radiator	INHIBITOR LEVEL IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 2% CAPACITY OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR INHIBITORS LEVELS.
Aug 17, 2020	 No Action Required	4,754	Differential Front	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Aug 17, 2020	 No Action Required	4,754	Engine	TRACE WATER PRESENT, APPEARS TO BE CONDENSATION. NORMAL WEAR METAL READINGS. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. CONTINUE NORMALLY SCHEDULED SAMPLING.
Aug 17, 2020	 No Action Required	4,754	Hydraulic System	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.


Aug 17, 2020	 No Action Required	4,754	Differential Rear	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jun 07, 2020	 Monitor	3,536	Radiator	NITRITE LEVEL (INHIBITOR) IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 1 QUARTS OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST NITRITE. RESAMPLE AT THE NEXT ENGINE SERVICE.
Jun 07, 2020	 No Action Required	3,536	Differential Rear	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jun 07, 2020	 No Action Required	3,536	Transmission Power Shift	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jun 07, 2020	 No Action Required	3,536	Engine	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jun 07, 2020	 No Action Required	3,536	Differential Front	NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 05, 2020	 No Action Required	2,827	Engine	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 05, 2020	 No Action Required	2,827	Differential Front	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.


Mar 05, 2020	 No Action Required	2,827	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 05, 2020	 No Action Required	2,827	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Mar 05, 2020	 Monitor	2,827	Hydraulic System	ELEVATED PARTICLE COUNT COULD BE NON METAL PARTICLES ( FIBERS , SEAL MATERIAL OF MINOR AMOUNTS OF SUSPENDED MOISTURE). SUGGEST REPLACING FILTER. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. RESAMPLE IN 250 HOURS TO MONITOR.
Jan 02, 2020	 No Action Required	2,349	Differential Rear	TRACE LEVEL OF WATER DETECTED. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Jan 02, 2020	 Monitor	2,349	Radiator	INHIBITOR LEVEL IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. ADD 1% ELC EXTENDER (CAT P / N 119- 5152) TO BOOST INHIBITOR. CONTINUE TO SAMPLE AT HALF THE REGULAR INTERVAL.
Jan 02, 2020	 No Action Required	2,349	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 02, 2020	 No Action Required	2,349	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Jan 02, 2020	 No Action Required	2,349	Engine	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.




Jan 02, 2020	 No Action Required	2,349	Differential Front	INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Nov 22, 2019	 No Action Required	1,759	Differential Front	TRACE LEVEL OF WATER DETECTED. INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Nov 22, 2019	 No Action Required	1,759	Transmission Power Shift	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 22, 2019	 No Action Required	1,759	Differential Rear	INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Nov 22, 2019	 No Action Required	1,759	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 22, 2019	 No Action Required	1,759	Engine	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 22, 2019	 No Action Required	1,759	Engine	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Nov 22, 2019	 No Action Required	1,759	Differential Rear	INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.

Nov 22, 2019	 No Action Required	1,759	Differential Front	TRACE LEVEL OF WATER DETECTED. INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Oct 17, 2019	 No Action Required	1,302	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 17, 2019	 No Action Required	1,302	Differential Rear	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 17, 2019	 No Action Required	1,302	Differential Front	INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Oct 17, 2019	 No Action Required	1,302	Transmission Power Shift	TEST RESULTS ARE ACCEPTABLE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
Oct 17, 2019	 Monitor	1,302	Engine	ELEVATED WEAR MAY BE RESIDUAL BREAK-IN. MONITOR FOR CHANGES IN OPERATION OR PERFORMANCE. RESAMPLE IN 250 HOURS TO MONITOR.
Sep 10, 2019	 No Action Required	773	Transmission Power Shift	INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.
Sep 10, 2019	 No Action Required	773	Engine	OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. OIL CHANGE INDICATED. RESAMPLE AT THE NEXT SERVICE INTERVAL.

Sep 10, 2019	 No Action Required	773	Differential Front	INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.
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Sep 10, 2019	 No Action Required	773	Hydraulic System	NORMAL WEAR METAL READINGS NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
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Sep 10, 2019	 No Action Required	773	Differential Rear	INITIALLY ELEVATED BREAK-IN READINGS WILL USUALLY IMPROVE AFTER THE 2ND, 3RD OIL DRAIN INTERVALS. RESAMPLE AT THE NEXT SERVICE INTERVAL.
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