

User: D090

Catalog #:

D8T Track Type Tractors, 2016  
SN: 0FMC00706Current Hours (SMU): 245  
Sale Date: 11/21/2016

Delivery Date: Unknown

## Service History

Service Date	Invoice Type	Hours	Description	Service Notes
11/11/2016	Parts	0		
11/21/2016	Parts	0		
11/29/2016	Service	11	REPAIR FOR WARRANTY: WATER LEAK	----- COMPLAINT:HYD LEAK FROM RT SIDE COMPARTMENT ----- CAUSE: SOS NIPPLE LEAKING ----- CORRECTION:REMOVED LEAKING NIPPLE AND INSTALLED NEW ONE SWITCHED NIPPLE COVER FROM LEAKING ONE TO NEW ONE RAN MACHINE NO LEAKS FOUND AT THIS TIME
11/29/2016	Service	11	PREDELIVER MACHINE	----- COMPLAINT:NEW MACHINE ----- CAUSE:-- ----- CORRECTION: PREDELIVERED MACHINE ACCORDING TO CHECK LIST FOUND IN SIS, CHECKED ALL FLUID LEVELS TOPPED OFF PIVOT SHAFT OIL TANK, HYD TANK & DEF TANK. CLEANED WINDOWS AND INSTALLED DECALSON MACHINE.
11/29/2016	Service	11	ASSEMBLE MACHINE	----- COMPLAINT:BLADE NOT ASSEMBLED OR INSTALLED ----- CAUSE: NEW MACHINE ----- CORRECTION: ASSEMBLED BLADE, ACCORDING TO SPECIAL INSTRUCTIONS IN REHS2407 PLUMBED UP TILT CYLINDER AND TORQUED RETAINER BOLTS TO 650FTLBS AND PUSH ARM END CAP BOLTS TO 1400FTLBS RAN MACHINE AND CHECKED FOR LEAKS TOPPED OFF HYD TANK, NO LEAKS FOUND AT THIS TIME
11/29/2016	Service	11	INSTALL RADIO (AM/FM)	----- COMPLAINT:NO RADIO IN CAB ----- CAUSE: WASNT ORDERED WITH ONE ----- CORRECTION: REMOVED COVER PLATE AND HAD TO DROP LINER TO FIND HARNESS PLUG INSTALLED RADIO MOUNT WITH PLASTIC SUPPORT THAT SCREWS ON BACK OF RADIO INSTALLED FACTORY SUPPLIED ANTENNA INSTALLED RADIO RADIO PLAYS AS IT SHOULD
11/29/2016	Service	11	REPAIR FOR WARRANTY: WATER LEAK	
12/01/2016	Service	12	ADJUST TRANSMISSION GEARS	----- COMPLAINT: ----- CAUSE: ----- CORRECTION: DROVE TO MACHINE AND HOOKED ET TO MACHINE AND CHANGED CONFIG. TO LOCK OUT 3RD GEAR TO MEET CUSTOMERS EXPECTATIONS.
12/01/2016	Service	12	ADJUST TRANSMISSION GEARS	
12/05/2016	Parts	0		
01/26/2017	Parts	0		
01/26/2017	Parts	0		
02/03/2017	Parts	0		
02/06/2017	Parts	0		
05/16/2017	Parts	0		
06/02/2017	Parts	0		
07/05/2017	Service	1192	TROUBLESHOOT AND REPAIR ELECTRONICS	COMPLAINT: CUSTOMER CALLED IN SAID HE WAS HAVING AN ACTIVE CODE FOR HIS BLADE LOWER SOLENOID VALVE --- CAUSE: ECM INTERMITTENT OPEN CIRCUIT --- CORRECTION: CHECKED MACHINE OPERATION, BLADE WORKING PROPERLY, CHECKED ET FOUND NUMEROUS LOGGED CODES FOR BLADE LOWER VALVE, RAN MACHINE UNTIL ISSUE OCCURRED, CHECKED POWER AND GROUNDS AT VALVE, HAD RETURN CIRCUIT BUT NO POWER, TROUBLE SHOT HARNESS PER CAT SPEC, FOUND NO ISSUES, REINSTALLED HARNESS AND BLADE OPERATED FINE, RAN A TEST WIRE FROM ECM TO VALVE, CUSTOMER HAS RUN FOR 2 DAYS WITH NO ISSUES 5/22/17 WENT TO MACHINE. SECURED HARNESS IN PLACE. INSTALLED ALL CAB PANELSON THE MACHINE. CUSTOMER HAS BEEN RUNNING MACHINE WITH NO ISSUES.AFTER 3 WEEKS CUSTOMER CALLED AND SAID BLADE HAD STOPED WORKING AGAIN, WENT BACK TO JOB BLADE OPERATED FINE, FOUND A NEW ACTIVE CODE FOR OPERATER MODE SWITCH (BLADE CONTROL BUTTON ON BLADE CONTROL JOY STICK) MACHINE DOES NOT HAVE THAT OPTION, REMOVED HARNESS WIRES FOR MODE SWITCH FROM ECM CONECTOR AND CONFIRM

07/05/2017	Service	1192	LABOR IN EXCESS OF TRG TESTSTD	
07/05/2017	Service	1192	TROUBLESHOOT AND REPAIR ELECTRONICS	
07/05/2017	Service	1192	LABOR IN EXCESS OF TRG TESTSTD	
07/05/2017	Service	1192	TRAVEL TO/FROM MACHINE	TRAVEL AND TRUCK CHARGE NOT COVERED UNDER WARRANTY
08/09/2017	Parts	0		
10/03/2017	Parts	0		
10/10/2017	Parts	0		
10/17/2017	Parts	0		
12/13/2017	Parts	0		
12/15/2017	Parts	0		
01/24/2018	Parts	0		
01/24/2018	Parts	0		
07/06/2018	Service	3181	PERFORM PM-3 1000 HOUR	PERFORMED PM 3 SERVICE
12/18/2018	Service	4015	PRODUCT PROGRAM UPDATE TRANSMISSION	TRAVEL TO CATAWBA CO LANDFILL 10.2 ONE WAY 20.4 MILES TECHNICIAN HAD DIFFICULTY TRAVELING DUE TO RECENT BAD WEATHER, TRAFFIC AND VERY POOR ROAD CONDITIONS. ----- --- COMPLAINT: PERFORM PIP 32846 ----- CAUSE: PIP 32846 ----- CORRECTION: WENT TO MACHINE. REMOVED FLOOR PANELS. REMOVED SEAT AND SEAT PLATE TO GAIN ACCESS TO THE TUBE. REMOVED METAL TUBE FROM CONNECTOR. REMOVED PLATE FROM THE TRANS HOUSING. TUBE HAD BURRS INSIDE. USED BURR BIT TO CLEAN TUBE. INSTALLED NEW O-RINGS ON TUBE. INSTALLED TUBE BACK ON MACHINE. REMOVED THE TRANS SCREEN. CLEANED THE SCREEN. CHECKED ET FOR LOGGED CODES. MACHINE DID NOT HAVE LOGGED CODES FOR THE TRANS. REMOVED THE MAIN RELIEF FROM THE TRANS AND CLEANED. INSTALLED RELIEF. CHANGED ALL 5 MODULATING STATIONS. CHANGED THE POWER TRAIN FILTER. CHECKED MAIN RELIEF PRESSURE. SET TO CAT SPEC. UPDATED SOFTWARE. WARMED TRANS. PERFORMED CLUTCH FILL CALIBRATION. CREATED PRODUCT STATUS REPORT. RETURNED MACHINE TO SERVICE.
12/18/2018	Service	4015	PRODUCT PROGRAM UPDATE TRANSMISSION	TRAVEL TO CATAWBA CO LANDFILL 10.2 ONE WAY 20.4 MILES TECHNICIAN HAD DIFFICULTY TRAVELING DUE TO RECENT BAD WEATHER, TRAFFIC AND VERY POOR ROAD CONDITIONS. ----- --- COMPLAINT: PERFORM PIP 32846 ----- CAUSE: PIP 32846 ----- CORRECTION: WENT TO MACHINE. REMOVED FLOOR PANELS. REMOVED SEAT AND SEAT PLATE TO GAIN ACCESS TO THE TUBE. REMOVED METAL TUBE FROM CONNECTOR. REMOVED PLATE FROM THE TRANS HOUSING. TUBE HAD BURRS INSIDE. USED BURR BIT TO CLEAN TUBE. INSTALLED NEW O-RINGS ON TUBE. INSTALLED TUBE BACK ON MACHINE. REMOVED THE TRANS SCREEN. CLEANED THE SCREEN. CHECKED ET FOR LOGGED CODES. MACHINE DID NOT HAVE LOGGED CODES FOR THE TRANS. REMOVED THE MAIN RELIEF FROM THE TRANS AND CLEANED. INSTALLED RELIEF. CHANGED ALL 5 MODULATING STATIONS. CHANGED THE POWER TRAIN FILTER. CHECKED MAIN RELIEF PRESSURE. SET TO CAT SPEC. UPDATED SOFTWARE. WARMED TRANS. PERFORMED CLUTCH FILL CALIBRATION. CREATED PRODUCT STATUS REPORT. RETURNED MACHINE TO SERVICE.
01/17/2019	Service	5344	PRODUCT PROGRAM UPDATE WIRING HARNESS-ABC	----- COMPLAINT: PS45403 ----- CAUSE: PREVENTATIVE MAINTENANCE ----- CORRECTION: INSTALLED CLIPS AND FASTENED WIRES TO THE NEW CLIP
01/17/2019	Service	5344	REMOVE AND INSTALL UNDERCARRIAGE COMPLETE	----- COMPLAINT: ----- CAUSE: ----- CORRECTION: BROUGHT MACHINE INTO SHOP. PUT MACHINE ON JACK STANDS. WELDED STRIPS ON BOGIES. REMOVED ALL ROLLERS; PUT ON PALLET. CLEANED OUT ROLLER FRAMES. INSTALLED ALL BOTTOM ROLLERS AND BOTH FRONT IDLERS. INSTALLED RIGHT REAR IDLER. REMOVED ALL SEGMENTS; ORDERED WASHERS FOR SEGMENTS. PUT CORE IDLERS ON PALLET, SENT TO CHARLOTTE. INSTALLED ALL SEGMENTS; TIGHTENED TO CAT SPECS. INSTALLED BOTH TRACKS; TIGHTENED MASTER BOLTS TO CAT SPECS. PUMPED OUT TRACKS AND STRIPS FROM BOGIES. MACHINE RETURNED TO SERVICE.
01/17/2019	Service	5344	PRODUCT PROGRAM UPDATE WIRING HARNESS-ABC	----- COMPLAINT: PS45403 ----- CAUSE: PREVENTATIVE MAINTENANCE ----- CORRECTION: INSTALLED CLIPS AND FASTENED WIRES TO THE NEW CLIP

01/17/2019	Service	5344	ASSEMBLE TRACK ASSEMBLY	<p>----- COMPLAINT: NEW ASSEMBLY -----</p> <p>CAUSE: NEW ASSEMBLY ----- CORRECTION: NEW ASSEMBLY LOCATED PARTS PULLED FIRST RAIL ON TABLE GROUND MATING SURFACES PUT SHOES ON RAIL TORCHED AND GROUND MATING SURFACES PRE TORQUED BOLTS FINAL TORQUED BOLTS PULLED TRACK OFF TABLE AND FOLDED PULLED SECOND RAIL ON TABLE GROUND MATING SURFACES.. PUT SHOES ON RAIL TORCHED AND GROUND MATING SURFACES PRE TORQUED BOLTS FINAL TORQUED BOLTS STILL MISSING 8 SHOES TO COMPLETE PULLED TRACK OFF TABLE TO START NEXT JOB GROUND REMAINING SHOES PRE TORQUED BOLTS FINAL TORQUED BOLTS PULLED TRACK OFF TABLE AND FOLDED CLEAN UP</p>
01/18/2019	Service Credit	5344	PRODUCT PROGRAM UPDATE WIRING HARNESS-ABC	<p>----- COMPLAINT: PS45403 ----- CAUSE: PREVENTATIVE MAINTENANCE -----</p> <p>CORRECTION: INSTALLED CLIPS AND FASTENED WIRES TO THE NEW CLIP</p>
01/18/2019	Service Credit	5344	REMOVE AND INSTALL UNDERCARRIAGE COMPLETE	<p>----- COMPLAINT: ----- CAUSE: -----</p> <p>CORRECTION: BROUGHT MACHINE INTO SHOP. PUT MACHINE ON JACK STANDS. WELDED STRIPS ON BOGIES. REMOVED ALL ROLLERS; PUT ON PALLET. CLEANED OUT ROLLER FRAMES. INSTALLED ALL BOTTOM ROLLERS AND BOTH FRONT IDLERS. INSTALLED RIGHT REAR IDLER. REMOVED ALL SEGMENTS; ORDERED WASHERS FOR SEGMENTS. PUT CORE IDLERS ON PALLET, SENT TO CHARLOTTE. INSTALLED ALL SEGMENTS; TIGHTENED TO CAT SPECS. INSTALLED BOTH TRACKS; TIGHTENED MASTER BOLTS TO CAT SPECS. PUMPED OUT TRACKS AND STRIPS FROM BOGIES. MACHINE RETURNED TO SERVICE.</p>
01/18/2019	Service Credit	5344	PRODUCT PROGRAM UPDATE WIRING HARNESS-ABC	<p>----- COMPLAINT: PS45403 ----- CAUSE: PREVENTATIVE MAINTENANCE -----</p> <p>CORRECTION: INSTALLED CLIPS AND FASTENED WIRES TO THE NEW CLIP</p>
01/18/2019	Service Credit	5344	ASSEMBLE TRACK ASSEMBLY	<p>----- COMPLAINT: NEW ASSEMBLY -----</p> <p>CAUSE: NEW ASSEMBLY ----- CORRECTION: NEW ASSEMBLY LOCATED PARTS PULLED FIRST RAIL ON TABLE GROUND MATING SURFACES PUT SHOES ON RAIL TORCHED AND GROUND MATING SURFACES PRE TORQUED BOLTS FINAL TORQUED BOLTS PULLED TRACK OFF TABLE AND FOLDED PULLED SECOND RAIL ON TABLE GROUND MATING SURFACES.. PUT SHOES ON RAIL TORCHED AND GROUND MATING SURFACES PRE TORQUED BOLTS FINAL TORQUED BOLTS STILL MISSING 8 SHOES TO COMPLETE PULLED TRACK OFF TABLE TO START NEXT JOB GROUND REMAINING SHOES PRE TORQUED BOLTS FINAL TORQUED BOLTS PULLED TRACK OFF TABLE AND FOLDED CLEAN UP</p>
01/18/2019	Service	5344	PRODUCT PROGRAM UPDATE WIRING HARNESS-ABC	<p>----- COMPLAINT: PS45403 ----- CAUSE: PREVENTATIVE MAINTENANCE -----</p> <p>CORRECTION: INSTALLED CLIPS AND FASTENED WIRES TO THE NEW CLIP</p>
01/18/2019	Service	5344	REMOVE AND INSTALL UNDERCARRIAGE COMPLETE	<p>----- COMPLAINT: ----- CAUSE: -----</p> <p>CORRECTION: BROUGHT MACHINE INTO SHOP. PUT MACHINE ON JACK STANDS. WELDED STRIPS ON BOGIES. REMOVED ALL ROLLERS; PUT ON PALLET. CLEANED OUT ROLLER FRAMES. INSTALLED ALL BOTTOM ROLLERS AND BOTH FRONT IDLERS. INSTALLED RIGHT REAR IDLER. REMOVED ALL SEGMENTS; ORDERED WASHERS FOR SEGMENTS. PUT CORE IDLERS ON PALLET, SENT TO CHARLOTTE. INSTALLED ALL SEGMENTS; TIGHTENED TO CAT SPECS. INSTALLED BOTH TRACKS; TIGHTENED MASTER BOLTS TO CAT SPECS. PUMPED OUT TRACKS AND STRIPS FROM BOGIES. MACHINE RETURNED TO SERVICE.</p>
01/18/2019	Service	5344	PRODUCT PROGRAM UPDATE WIRING HARNESS-ABC	<p>----- COMPLAINT: PS45403 ----- CAUSE: PREVENTATIVE MAINTENANCE -----</p> <p>CORRECTION: INSTALLED CLIPS AND FASTENED WIRES TO THE NEW CLIP</p>
01/18/2019	Service	5344	ASSEMBLE TRACK ASSEMBLY	<p>----- COMPLAINT: NEW ASSEMBLY -----</p> <p>CAUSE: NEW ASSEMBLY ----- CORRECTION: NEW ASSEMBLY LOCATED PARTS PULLED FIRST RAIL ON TABLE GROUND MATING SURFACES PUT SHOES ON RAIL TORCHED AND GROUND MATING SURFACES PRE TORQUED BOLTS FINAL TORQUED BOLTS PULLED TRACK OFF TABLE AND FOLDED PULLED SECOND RAIL ON TABLE GROUND MATING SURFACES.. PUT SHOES ON RAIL TORCHED AND GROUND MATING SURFACES PRE TORQUED BOLTS FINAL TORQUED BOLTS STILL MISSING 8 SHOES TO COMPLETE PULLED TRACK OFF TABLE TO START NEXT JOB GROUND REMAINING SHOES PRE TORQUED BOLTS FINAL TORQUED BOLTS PULLED TRACK OFF TABLE AND FOLDED CLEAN UP</p>

02/01/2019	Service	4229	PERFORM PM-4 2000 HOUR	PM4 COMPLETED CUSTOMER FURNISHED OILS
02/01/2019	Service	4229	INSTALL CAB AIR FILTER	CAB FILTERS INSTALLED
02/01/2019	Service	4229	TRAVEL TO/FROM MACHINE	TRAVEL TO MACHINE
08/05/2019	Service	4920	PRODUCT PROGRAM UPDATE USE CODE 7620-MOD DTN	----- COMPLAINT: FLASH NEW SOFTWARE ----- - CAUSE: PI33051 ----- CORRECTION: CONNECTED TO MACHINE USING ETHERNET COMM ADAPTER. DOWNLOADED NEW DISPLAY SOFTWARE. UPLOADED NEW SOFTWARE. DISCONNECTED ETHERNET. CONNECTED TO MACHINE WITH COMM ADAPTER 3 CABLE. UPLOADED NEW POWER TRAIN SOFTWARE. RETURNED MACHINE TO SERVICE. TWENTY TWO MILES TO AND FROM LANDFILL. TRAVEL TIME IS 30 MINUTES.
08/05/2019	Service	4920	TRAVEL TO/FROM MACHINE	TRAVEL TO AND FROM MACHINE. MACHINE LOCATED AT CATAWBA COUNTY LANDFILL...
08/05/2019	Service	4920	TRAVEL TO/FROM MACHINE	TRAVEL TO AND FROM MACHINE. ARRIVED AT MACHINE ATTEMPTED TO DO UPDATE. COMPUTER HAD A PROBLEM CONNECTING WITH MACHINE. COULD NOT DO UPDATE.
08/05/2019	Service	4920	PRODUCT PROGRAM UPDATE USE CODE 7620-MOD DTN	----- COMPLAINT: FLASH NEW SOFTWARE ----- - CAUSE: PI33051 ----- CORRECTION: CONNECTED TO MACHINE USING ETHERNET COMM ADAPTER. DOWNLOADED NEW DISPLAY SOFTWARE. UPLOADED NEW SOFTWARE. DISCONNECTED ETHERNET. CONNECTED TO MACHINE WITH COMM ADAPTER 3 CABLE. UPLOADED NEW POWER TRAIN SOFTWARE. RETURNED MACHINE TO SERVICE. TWENTY TWO MILES TO AND FROM LANDFILL. TRAVEL TIME IS 30 MINUTES.
08/05/2019	Service	4920	TRAVEL TO/FROM MACHINE	
08/05/2019	Service	4920	TRAVEL TO/FROM MACHINE	TRAVEL TO AND FROM MACHINE. MACHINE LOCATED AT CATAWBA COUNTY LANDFILL...
08/23/2019	Service	5028	TRAVEL TO/FROM MACHINE	TRAVEL TO AND FROM MACHINE
08/23/2019	Service	5028	SERVICE 5000 SVR HOUR MAINTENANCE	----- COMPLAINT: PM SERVICE 5000 HOUR MAINTENANCE ----- CAUSE: MACHINE DUE INSPECTION. ----- CORRECTION: REMOVED HOOD AND HEAT SHIELDS FROM DPF. REMOVED DPF. INSTALLED NEW DPF AND SPARK PLUG IN ARD HEAD. INSTALLED FUEL FILTER FITTING. REMOVED PANELS FROM BACK OF MACHINE TO ALLOW ACCESS TO DEF PUMP. REMOVED/INSTALLED FILTER. INSTALLED NEW SOCK FILTER. PERFORMED REGEN. RESET ASH SERVICE. RETURNED MACHINE TO SERVICE.
08/23/2019	Service	5028	TROUBLESHOOT + REPAIR TIMER RELAY	----- COMPLAINT: CODE FOR REGEN ----- CAUSE: ----- CORRECT: CUSTOMER INSTALLED HOSE/LINE GOING TO DEF PUMP AND THEY COULD NOT CLEAR THE CODES. MUST CLEAR THE CODES AND FINISH RUNNING REGEN AND AFTERTREATMENT SYSTEM VITRIFICATION TEST
09/09/2020	Service	7192	TRAVEL TO/FROM MACHINE	TRAVEL TO AND FROM MACHINE
09/09/2020	Service	7192	TROUBLESHOOT MACHINE	----- COMPLAINT: DATA LINK CODES FOR AFTERTREATMENT .. ----- CAUSE: NOX SENSOR AND WIRING ISSUE .. ----- CORRECTION: UPON ARRIVING TO MACHINE, FOUND ECM WAS NOT COMMUNICATING WITH INLET NOX SENSOR, REMOVED PANELS TO ACCESS SENSOR AND ECM, TESTED POWER AND GROUND AT SENSOR, HAD 23 VOLTS, GOOD GROUND, OHMED DATA LINK WIRES BACK TO ECM, OHMED AT .3 OHMS, ORDERED NEW SENSOR, RETURNED TO MACHINE, REMOVED PANELS TO ACCESS SENSOR, REMOVED SENSOR, INSTALLED NEW SENSOR, FOUND CODE WAS ACTIVE, TESTED POWER AGAIN, FOUND ONLY 19 VOLTS ON REPEAT CHECK, TESTED POWER AT OUTLET NOX SENSOR, HAD 23 VOLTS, WIRES ARE TIED TOGETHER IN SAME HARNESS, FIXED HARNESS, TESTED AND HAD 23 VOLTS AT SENSOR NOW, STARTED MACHINE, CODES CLEARED, PUT MACHINE THROUGH NOX SENSOR VERIFICATION TEST, PASSED TEST, PUT THROUGH AFTERTREATMENT VERIFICATION TEST, PASSED TEST, RAN MACHINE ON SITE, FOUND NO ISSUES, INSTALLED PANELS, RETURNED TO SERVICE
02/15/2021	Service	8072	CLEAN. MACHINE	CLEAN MACHINE

02/15/2021	Service	8072	REMOVE AND INSTALL UNDERCARRIAGE COMPLETE	COMPLAINT: REMOVED AND INSTALL UNDER CARRAGE CAUSE: CUSTOMER REQUEST CORRECTION: JACED UP THE MACHINE AND REMOVED THE TRACKS, ALL THE BOTTOM ROLLERS, ALL IDLERS, AND ALL SPROCKET SEGMENTS. CLEANED ALL MOUNTING SURFACES AND INSTALLED ALL THE BOTTOM ROLLERS, ALL IDLERS, AND ALL SPROCKET SEGMENTS TUORQUED ALL BOLTS TO CAT SPEC. WRAPPED THE NEW TRACKS AND INSTALLED THE MASTER BOLTS TO CAT SPEC. CHECKED ALL FUILDS AND ADDJUSTED THE TRACKS TO CAT SPEC
02/15/2021	Service	8072	ASSEMBLE TRACK ASSEMBLY	ASSEMBLED TRACK GROUPS WITH OEM PARTS
06/30/2021	Service	8473	TRAVEL TO/FROM MACHINE	TRAVEL
06/30/2021	Service	8473	TROUBLESHOOT MACHINE	----- COMPLAINT: TROUBLESHOOT ELEVATED ALUMINUM AND WEAR METALS IN ENGINE SOS. . ---- ----- CAUSE: . . ----- CORRECTION: WENT OUT TO THE MACHINE. USED SERVICE LINK TO LOOK AT ALL PREVIOUS SOS RESULTS. ALUMINUM WAS ELEVATED AND THE WEAR METALS ARE ELEVATED. ORDERED ENGINE OIL FILTER. TOOK OIL FILTER TO MACHINE. CHANGED THE ENGINE OIL FILTER. RAN THE MACHINE. TOOK ENGINE OIL SAMPLE. RETURNED MACHINE TO SERVICE. CUT OPEN THE ENGINE OIL FILTER. NO NOTICEABLE METAL IN THE ENGINE OIL FILTER. SENT SOS OFF FOR RESULTS. RESULT CAME BACK WITH MONITOR COMPARTMENT. LOOKED OVER OTHER SAMPLE REPORTS FOR CUSTOMER MACHINES AND FOUND THAT ALL HAD ELEVATED ALUMINUM. RETURNED TO SITE. PULLED OIL SAMPLE FROM CUSTOMERS LUBE TANK. CHANGED OIL IN THE DOZER WITH CAT OIL AND CHANGED THE FILTER. ALSO PULLED ANOTHER SAMPLE. INSPECTED THE FILTER AND FOUND NO METAL. INFORMED CUSTOMER TO RAN MACHINE AND THEN PULL A SAMPLE TO SEE WHERE ALUMINUM IS WITH CAT OIL IN USE.
03/21/2022	Service	9688	REMOVE TIMER RELAY	----- COMPLAINT: REMOVE FAULT CODES ----- CAUSE: NOX SENSOR FAULTS ----- CORRECTION: CUSTOMER REPLACED NOX SENSORS. CLEARED FAULTS.
03/21/2022	Service	9688	INSTALL SOFTWARE	----- COMPLAINT: INSTALL SOFTWARE ----- CAUSE: UPDATE SOFTWARE ----- CORRECTION: UPDATED SOFTWARE IN ECMS. RAN TESTS TO VERIFY REPAIR. ALL OK AT THIS TIME.
03/21/2022	Service	9688	TRAVEL TO/FROM MACHINE	----- COMPLAINT: TRAVEL ----- CAUSE: ----- CORRECTION: TRAVELED TO AND FROM LANDFILL
05/18/2022	Service	10019	REMOVE TIMER RELAY	----- COMPLAINT: CUSTOMER REPAIRED MACHINE AND NEEDED FAULT CODE CLEARED . . ---- ----- CAUSE: FIRE DAMAGE . . ----- CORRECTION: DROVE TO MACHINE AND HOOKED ET UP CLEARED FAULT CODE BY OBTAINING FACTORY PASSWORD, DOWNLOADED PSR. RAN MACHINE AND THERE WERE NO FAULTS ACTIVE.
05/18/2022	Service	10019	TRAVEL TO/FROM MACHINE	TRAVEL
08/02/2022	Service	10266	STRAIGHTEN*	SERVICE AFTER TREATMENT SYSTEM PER 5000 SERVICE REQUIREMNT FOR REGENERATION SYSTEM ----- COMPLAINT: 5000 HOUR SERVICE ON AFTER TREATMENT. . . ----- CAUSE: . . ----- CORRECTION: REMOVED HOOD AND SIDE PANELS. REMOVED HEAT SHEILDS FROM OVER DPF. REMOVED DPF. STARTED INSTALLING THE REMAN DPF I WAS GIVEN. I WORKED WITH IT FOR A WHILE AND COULD NOT GAT IT TO FIT. I THEN MEASURED THE DPR. IT WAS ONE INCH LARGER THAN THE DPF I HAD REMOVED. I THEN BEGAN CHECKING THE PART NUMBERS AND FOUND THAT I WAS GIVEN THE WRONG DPF. THE DPF WE NEED IS SEVERIAL WEEKS AWAY. I TOOK THE OLD DPF TO THE KENWORTH DEALER TO HAVE IT CLEANED. I ORDERED NEW INSTALL CLAMPS. I THEN REMOVED OLD DEF INJECTOR AND INSTALLED NEW INJECTOR. I REMOVED GUARDS AND REMOVED DEF MANIFOLD. REPLACED DEF FILTERS. THE INSIDE OF DEF TANK WAS DIRTY. I CLEANED AND FLUSHED TANK. I INSTALLED DEF MANIFOLD BACK IN TANK. REMOVED DEF PUMP FILTER AND INSTALLED NEW FILTER. INSTALLED GUARDS AND ADDED 5 GALLONS OF DEF TO TANK. REPLAC
08/02/2022	Service	10266	TRAVEL TO/FROM MACHINE	TRAVEL

10/26/2022	Service	10696	TROUBLESHOOT TIMER RELAY	<p>----- COMPLAINT: HIGH SOOT LEVEL. . . -----</p> <p>CAUSE: BAD ARD HEAD. . . ----- CORRECTION: CHECKED MACHINE AND DOWN LOADED PSR. MACHINE HIGH SOOT LOAD 104%. AND ALSO HAD CODE FOR ARD AFTERTREATMENT #1 FAILED TO IGNITE. I TRIED TO DO A MANUAL REGIN AND IT FAILED TO IGNITE. ALSO A CODE CAME UP FOR HIGH ARD FUEL PRESSURE. I TROUBLESHOT THE HIGH FUEL PRESSURE CODE AND FOUND BAD DIVERTER VALVE. ORDERED DIVERTER VALVE AND RELIEF VALVE. CAME BACK WITH PARTS. INSTALLED NEW DIVERTER VALVE AND RELIEF VALVE. PERFORMED MANUAL REGIN AND IT FAILED TO IGNITE. PERFORMED FAILURE TO IGNITE TROUBLESHOOTING. I THEN FOUND THAT ARD HEAD HAD FAILED. ORDERED NEW ARD HEAD WITH NEW SPARK PLUG. CAME BACK TO MACHINE WITH PARTS. REMOVED OLD ARD HEAD. ARD HEAD WAS VERY HARD TO REACH TO REMOVE AND INSTALL. INSTALLED NEW ARD HEAD AND NEW SPARK PLUG. ALSO INSTALLED NEW PLUG WIRE. PERFORMED MANUAL REGIN. SYSTEM WENT THROUGH REGIN. RELEASED MACHINE.</p>
10/26/2022	Service	10696	TRAVEL TO/FROM MACHINE	TRAVEL
10/09/2023	Service	11777	TRAVEL TO/FROM MACHINE	TRAVEL OVERAGE
10/09/2023	Service	11777	TROUBLESHOOT MACHINE	<p>----- COMPLAINT:ENGINE STOPPED AND WOULD NOT RESTART ----- CAUSE:----- CORRECTION: FOUND MACHINE WOULD START AND WAS NO LONGER KNOCKING. CUSTOMER CUT OPEN OIL FILTER AND SAID THERE WAS NOTHING IN IT. MACHINE IS SHOWING OIL PRESSURE ON ET, PULLED A PSR. FOUND ATMOSPHERIC PRESSURE IS 11.5 AND SHOULD BE 14. ALSO FOUND SEVERAL CODES ALL AT THE SAME TIME WITH THE ENGINE TURNED OFF. REMOVED LEFT AND RIGHT DOORS, AND SIDE PANELS. THEN UNBOLTED BOTH FRONT BELLY PANS. BACK PAN WILL NOT COME DOWN, CUT PIN AS IT WAS BENT I THOUGHT IT MAY BE THE CAUSE. CUSTOMER HAD POWER BOX TO LOWER PAN AND IT STILL IS NOT COMING DOWN. CUSTOMER WILL WASH MACHINE, SENSOR ON ORDER. 9/21/23 PICKED UP PART FROM DROPBOX. REMOVED BOTTOM TUBE FROM INTAKE ELBOW, REMOVED SMALL LINE, AND CUT ZIPTIES AND REMOVED SENSOR HARNESS. UNBOLTED ELBOW FROM MACHINE TO ACCESS THE BAROMETRIC PRESSURE SENSOR. REPLACED SENSOR WITH NEW O-RING, REINSTALLED INLET ELBOW, TUBE, LINE, AND HARNESS. TURNED KET TO ON POSITION AND</p>
10/09/2023	Service	11777	TRAVEL TO/FROM MACHINE	TRAVEL
10/09/2023	Service	11777	TRAVEL TO/FROM MACHINE	

## Fluid Analysis

Date	Hours	Compartment	Severity	Interpretation
11/04/2022	10,789	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
11/04/2022	10,789	FINAL DRIVE REAR LEFT	Monitor	ALUMINUM AND SILICON (DIRT) ARE ELEVATED. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. IRON AND CHROME ARE ELEVATED. POSSIBLE GEAR OR BEARING WEAR. CHANGE OIL AND RESAMPLE AT NEXT ENGINE SERVICE TO MONITOR.
11/04/2022	10,789	FINAL DRIVE REAR RIGHT	No Action Required	ALL TEST RESULTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
11/04/2022	10,789	HYDRAULIC SYSTEM	No Action Required	ALL TEST RESULTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
11/04/2022	10,789	TRANSMISSION POWER SHIFT	No Action Required	ALL TEST RESULTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/25/2022	9,480	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
11/08/2021	9,159	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. SILICON (DIRT) IS ELEVATED. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
07/29/2021	8,788	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
07/29/2021	8,788	FINAL DRIVE REAR LEFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
07/29/2021	8,788	FINAL DRIVE REAR RIGHT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

07/29/2021	8,788	HYDRAULIC SYSTEM	Monitor	ALUMINUM AND SILICON (DIRT) ARE ELEVATED. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. WEAR METALS APPEAR NORMAL. RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
07/29/2021	8,788	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
06/03/2021	8,546	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
05/19/2021	8,494	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
05/11/2021	8,473	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. MAY BE RESIDUAL FROM LAST SAMPLING. CHANGE OIL AND FILTER(S) RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
04/16/2021	8,329	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
04/16/2021	8,329	FINAL DRIVE REAR LEFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
04/16/2021	8,329	FINAL DRIVE REAR RIGHT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
04/16/2021	8,329	HYDRAULIC SYSTEM	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
04/16/2021	8,329	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
02/16/2021	8,021	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
12/11/2020	7,325	HYDRAULIC SYSTEM	Monitor	ALUMINUM REMAINS ELEVATED BUT HAS NOT INCREASED. FLUID AND FILTER CHANGE NOTED. RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
12/10/2020	7,732	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
12/10/2020	7,732	FINAL DRIVE REAR RIGHT	Monitor	ALUMINUM AND SILICON (DIRT) ARE ELEVATED. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. OTHER READINGS APPEAR TO BE NORMAL. CHANGE OIL AND RESAMPLE AT NEXT ENGINE SERVICE TO MONITOR.
12/10/2020	7,732	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
11/21/2020	7,732	FINAL DRIVE REAR LEFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
10/01/2020	7,325	ENGINE	Monitor	ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
08/12/2020	7,084	ENGINE	Monitor	POTASSIUM IS ELEVATED, INDICATING A POSSIBLE COOLANT LEAK. ALUMINUM IS ELEVATED. POSSIBLE BEARING WEAR. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
08/12/2020	7,084	FINAL DRIVE REAR LEFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
08/12/2020	7,084	HYDRAULIC SYSTEM	Monitor	ALUMINUM IS ELEVATED. POSSIBLE PUMP WEAR. CHANGE OIL AND FILTER(S) RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
08/12/2020	7,084	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
08/10/2020	7,084	FINAL DRIVE REAR RIGHT	Monitor	ALUMINUM AND SILICON (DIRT) ARE ELEVATED. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. WEAR METALS APPEAR NORMAL. CHANGE OIL AND RESAMPLE AT NEXT ENGINE SERVICE TO MONITOR.
06/10/2020	6,701	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
04/03/2020	6,371	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
04/03/2020	6,371	FINAL DRIVE REAR LEFT	Action Required	VISIBLE METAL AND DIRT DEBRIS PRESENT IN SAMPLE. POSSIBLE GEAR OR BEARING WEAR. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. AFTER INSPECTION, RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
04/03/2020	6,371	FINAL DRIVE REAR RIGHT	Action Required	VISIBLE METAL AND DIRT DEBRIS PRESENT IN SAMPLE. POSSIBLE GEAR OR BEARING WEAR. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. AFTER INSPECTION, RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
04/03/2020	6,371	HYDRAULIC SYSTEM	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
04/03/2020	6,371	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
02/19/2020	6,109	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/08/2020	5,908	ENGINE	Action Required	POTASSIUM IS ELEVATED, INDICATING A POSSIBLE COOLANT LEAK. WEAR METALS APPEAR NORMAL. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.

01/08/2020	5,908	FINAL DRIVE REAR RIGHT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/08/2020	5,908	HYDRAULIC SYSTEM	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/08/2020	5,908	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/02/2020	5,908	FINAL DRIVE REAR LEFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
11/21/2019	5,552	ENGINE	Monitor	POTASSIUM IS ELEVATED, INDICATING A POSSIBLE COOLANT LEAK. WEAR METALS APPEAR NORMAL. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
10/11/2019	5,285	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
08/20/2019	5,027	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
08/20/2019	5,027	FINAL DRIVE REAR LEFT	Monitor	IRON IS ELEVATED. POSSIBLE GEAR WEAR. RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
08/20/2019	5,027	FINAL DRIVE REAR RIGHT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
08/20/2019	5,027	HYDRAULIC SYSTEM	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
08/20/2019	5,027	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
06/14/2019	4,794	ENGINE	Monitor	POTASSIUM IS ELEVATED, INDICATING A POSSIBLE COOLANT LEAK. WEAR METALS APPEAR NORMAL. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
04/10/2019	4,512	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
03/11/2019	4,332	FINAL DRIVE REAR LEFT	Monitor	POSITIVE WATER IN SAMPLE. CHECK SYSTEM FOR POSSIBLE SOURCES OF WATER ENTRY. WEAR METALS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
03/11/2019	4,332	FINAL DRIVE REAR RIGHT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/31/2019	4,229	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/31/2019	4,229	FINAL DRIVE REAR LEFT	Monitor	OIL TOO DARK TO COUNT FOR PARTICLE COUNT POSSIBLY DUE TO A HIGH AMOUNT OF FINE PARTICLES. IRON AND CHROME ARE ELEVATED. POSSIBLE GEAR OR BEARING WEAR. RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
01/31/2019	4,229	FINAL DRIVE REAR RIGHT	Monitor	OIL TOO DARK TO COUNT FOR PARTICLE COUNT POSSIBLY DUE TO A HIGH AMOUNT OF FINE PARTICLES. IRON AND CHROME ARE ELEVATED. POSSIBLE GEAR OR BEARING WEAR. ALUMINUM AND SILICON (DIRT) ARE ELEVATED. CHECK FOR POSSIBLE SOURCES OF DIRT ENTRY. RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
01/31/2019	4,229	HYDRAULIC SYSTEM	No Action Required	NORMAL BREAK IN WEAR. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/31/2019	4,229	RADIATOR	Monitor	INHIBITOR LEVEL IS TOO LOW TO PROVIDE CORROSION/EROSION PROTECTION. RECOMMEND ADDING 2% CAPACITY OF ELC EXTENDER (CAT P/N 119-5152) TO BOOST INHIBITOR. SAMPLE AGAIN AT HALF THE REGULAR INTERVAL TO MONITOR INHIBITOR LEVELS.
01/31/2019	4,229	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
11/28/2018	3,974	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
10/15/2018	3,679	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
10/15/2018	3,679	FINAL DRIVE REAR LEFT	No Action Required	OIL TOO DARK TO COUNT FOR PARTICLE COUNT POSSIBLY DUE TO A HIGH AMOUNT OF FINE PARTICLES. OTHER READINGS APPEAR TO BE NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
10/15/2018	3,679	FINAL DRIVE REAR RIGHT	Monitor	IRON IS ELEVATED. POSSIBLE GEAR WEAR. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT ENGINE SERVICE TO MONITOR.
10/15/2018	3,679	HYDRAULIC SYSTEM	No Action Required	NORMAL BREAK IN WEAR. CONTINUE SAMPLING AT NORMAL INTERVAL.
10/15/2018	3,679	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
08/16/2018	3,418	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
07/05/2018	3,181	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
07/05/2018	3,181	FINAL DRIVE REAR LEFT	No Action Required	NORMAL BREAK IN WEAR. CONTINUE SAMPLING AT NORMAL INTERVAL.
07/05/2018	3,181	FINAL DRIVE REAR RIGHT	No Action Required	NORMAL BREAK IN WEAR. CONTINUE SAMPLING AT NORMAL INTERVAL.
07/05/2018	3,181	HYDRAULIC SYSTEM	No Action Required	NORMAL BREAK IN WEAR. CONTINUE SAMPLING AT NORMAL INTERVAL.
07/05/2018	3,181	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
05/15/2018	2,979	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.



03/22/2018	2,659	FINAL DRIVE REAR RIGHT	No Action Required	NORMAL BREAK IN WEAR. MORE SAMPLES ARE NEEDED TO ESTABLISH A TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.
03/17/2018	2,659	TRANSMISSION POWER SHIFT	No Action Required	ALL TESTS APPEAR NORMAL. MORE SAMPLES ARE NEEDED TO ESTABLISH A TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.
03/12/2018	2,659	FINAL DRIVE REAR LEFT	No Action Required	ALL TESTS APPEAR NORMAL. MORE SAMPLES ARE NEEDED TO ESTABLISH A TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.
03/12/2018	2,659	HYDRAULIC SYSTEM	No Action Required	ALL TESTS APPEAR NORMAL. MORE SAMPLES ARE NEEDED TO ESTABLISH A TREND. CONTINUE SAMPLING AT NORMAL INTERVAL.
03/05/2018	2,659	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.
01/22/2018	2,404	ENGINE	Monitor	POTASSIUM IS ELEVATED INDICATING A POSSIBLE COOLANT LEAK. WEAR METALS APPEAR NORMAL. RESAMPLE AT HALF NORMAL SERVICE INTERVAL TO MONITOR.
12/01/2017	2,149	ENGINE	No Action Required	ALL TESTS APPEAR NORMAL. CONTINUE SAMPLING AT NORMAL INTERVAL.

## Configuration

Configuration Code	Price List	Description
4155779	MAC1	ENG S/N ENG01871
3790300	MAC1	D8T TRACTOR
2381177	MAC1	COUNTERWEIGHT, ADDITIONAL
2389658	MAC1	GUARD, FAN DEBRIS
2569988	MAC1	DRAINS, ECOLOGY, POWERTRAIN
3273492	MAC1	VISIBILITY AR, BASIC
3493004	MAC1	WINDOW SHADES
3790277	MAC1	UNDERCARRIAGE, PPR SUS GUARDED
3790290	MAC1	INSTRUCTION, DOMESTIC
3790295	MAC1	CONTROL, BASIC, SINGLE TILT
2095100	MAC1	BAR, REAR STRIKER
3790312	MAC1	ENGINE, THERMAL SHIELD
3790317	MAC1	HYDRAULICS, RIPPER
3790292	MAC1	FLUIDS, STANDARD
3802940	MAC1	ALTERNATOR, 150 AMP, DUCTED
3825934	MAC1	ENGINE COOLANT, STD (-37C)
3827710	MAC1	FILM, AFTERTREATMENT, ENGLISH
3842971	MAC1	TRACK, 660MM / 26" ES, TRAP PPR
3844604	MAC1	FINAL DRIVE, STANDARD, GUARDED
3848305	MAC1	BATTERIES, HEAVY DUTY
3848374	MAC1	CAB, ENHANCED DUAL PANE GLASS
3848720	MAC1	MOUNT, LIGHT, WARNING STROBE
3848833	MAC1	LIGHT, WARNING STROBE
3854734	MAC1	NO CARRIER ROLLERS
3858141	MAC1	FUEL SYSTEM, FAST FILL
3867008	MAC1	GUARD, BOTTOM POWERED
3867529	MAC1	FAN, REVERSING, SINGLE TILT
3873177	MAC1	GUARD, FUEL TANK
3881705	MAC1	OIL CHANGE SYSTEM, HIGH SPEED
3883796	MAC1	GUARD, FAST FUEL
3896174	MAC1	WASTE HANDLING ARRANGEMENT
3909840	MAC1	FRAME, POWERED BOTTOM GRD
3937245	MAC1	SEAT, HEATED & VENTILATED
3946286	MAC1	BRAKES, BASIC
4234626	MAC1	RADIATOR, 6.35 FPI, DEBRIS
4239556	MAC1	OPERATORS AR, QUICK OPENING
4243510	MAC1	HEATER, ENGINE COOLANT (120V)
4255363	MAC1	LIGHTS, PREMIUM

4287447	MAC1	CYLINDERS, LIFT, BASIC
4377381	MAC1	PRECLEANER, WITH SCREEN
4690870	MAC1	PRODUCT LINK, SATELLITE PL631
4507631	MAC1	FAN SPEED, LOW, COLD WEATHER
3855576	MAC1	8SU/U BULLDOZER, GUARDED
0P9001	MAC1	LANE 1 ORDER
3852622	MAC1	BLADE, 8SU LANDFILL WEAR PLATE
4503357	MAC1	PUSH ARMS, SINGLE TILT, STD
0P0996	MAC1	MANUAL, ENGLISH
0P1939	MAC1	ANTIFREEZE WINDSHIELD WASHER
0P3940	MAC1	CYLINDER ROD FLUID FILM PROTEC
0P6655	MAC1	ROLL ON-ROLL OFF
0P3978	MAC1	ANTIFREEZE, -45C (-50F)