

User: H160

Catalog #:

993K Wheel Loader, 2009
SN: 0Z9K00326Current Hours (SMU): 17481
Sale Date: 04/07/2009

Delivery Date: 04/07/2009

Service History

Service Date	Invoice Type	Hours	Description	Service Notes
04/09/2009	Service	8	WELD/BORE EYE (FP) MIRROR(S)	PROBLEM: MISSING BRACKET FOR MIRROR. > CAUSE: DURING MACHINE SET UP 6K5290 BRACKETS FOR THE MIRROR WAS NOT SHIPPED IN PARTS CRATE FROM FACTORY. WILL NEED REPLACED. > CORRECTION: ORDERED (4) BRACKETS. INSTALLED ON MIRROR. RELEASED MACHINE. > NOTE: CLAIM PARTS ONLY TO MCSY WARRANTY. RESIDENT MECHANIC DID REPAIR. PARTS NOT SHIPPED FROM FACTORY 6K5290. MACHINE HAS 8 HOURS. >
04/09/2009	Service	8	WELD/BORE EYE (FP) MIRROR(S)	
04/16/2009	Service	8	PERFORM PRE-DELIVERY INSPECTION	
04/16/2009	Service	8	PERFORM PRE-DELIVERY INSPECTION	
04/20/2009	Service	0	SET UP MACHINE	
04/20/2009	Service	0	DELIVER MACHINE	
04/22/2009	Service	172	REPAIR AIR CONDITIONER	
04/22/2009	Service	172	TRAVEL TO/FROM VIBRATOR	
04/22/2009	Service	172	REPAIR AIR CONDITIONER	
04/22/2009	Service	172	TRAVEL TO/FROM VIBRATOR	
04/23/2009	Service	0	REPAIR GUARDS	PROBLEM: THE ACCESS HOLE FOR THE ENGINE OIL FILTER IS NOT LARGE ENOUGH. > CAUSE: INSPECTED MACHINE AND FOUND THE FILTER ACCESS HOLE WAS NOT CUT LARGE ENOUGH. WILL NEED TO REPAIR THE ACCESS HOLE. > CORRECTION: CUT THE HOLE LARGER ALLOWING THE OIL FILTERS TO BE REMOVED WITHOUT REMOVING THE BOTTOM GUARD. RELEASED MACHINE. > NOTE: CLAIM TO MCSY WARRANTY. MACHINE HAS 8 HOURS. PART RESPONSIBLE 2497287 GUARD. >
04/23/2009	Service	0	REPAIR GUARDS	
04/23/2009	Service	8	REMOVE AND INSTALL AIR FILTER ELEMENT	PROBLEM: AIR FILTERS ARE BAD. > CAUSE: INSPECTED MACHINE AND FOUND THE PRECLEANERS WERE NOT COVERED DURING FACTORY SHIPPING. ALLOWING RAIN WATER TO SOAK FILTERS. FILTERS WILL NEED REPLACED. > CORRECTION: REMOVED AIR FILTERS. INSTALLED (2) NEW 1063973 FILTERS AND (2) NEW 1327168 FILTERS. > NOTE: CLAIM TO MCSY WARRANTY. MACHINE HAS 8 HOURS. PART FAILED 1063973 FILTER AND 1327168 FILTER. >
04/23/2009	Service	8	REMOVE AND INSTALL AIR FILTER ELEMENT	
04/23/2009	Service	8	CLEAN. OSCILLATING HITCH	PROBLEM: THE BOTTOM CENTER BEARING IS DIRTY. > CAUSE: INSPECTED MACHINE AND FOUND THE MACHINE WAS SEPERATED, AND THE BOTTOM CENTER BEARING WAS EXPOSED TO THE ELEMENTS, DURING SHIPPING. > CORRECTION: DISASSEMBLED THE BEARING. CLEANED IT. REINSTALLED BEARING AND PARTS REMOVED. RELEASED MACHINE. > NOTE: CLAIM TO MCSY WARRANTY. PART RESPONSIBLE 2563384 BEARING. MACHINE HAS 8 HOURS. >
04/23/2009	Service	8	CLEAN. OSCILLATING HITCH	
05/07/2009	Service	8	WELD/BORE EYE (FP) STEP/LADDER	PROBLEM: MISSING PARTS TO MOUNT THE LADDER TO THE FUEL TANK. > CAUSE: PARTS NOT SHIPPED FROM FACTORY IN PARTS CRATE. PARTS NOT SHIPPED STEPS, BRACKETS, PLATES, AND ALL PARTS TO MOUNT THE LADDER TO THE FUEL TANK WILL NEED TO REPLACE PARTS TO INSTALL THE LADDER. > CORRECTION: ORDERED PARTS. SORTED PARTS. FOUND THAT SOME OF THE ORDERED PARTS DID NOT ARRIVE. RE-ORDERED MISSING PARTS. UPON ARRIVAL INSTALLED LADDER KIT AND ALL MISSING PARTS. TORQUED BOLTS TO SPEC. RELEASED MACHINE. > NOTE: CLAIM TO MCSY WARRANTY. MACHINE HAS 8 HOURS. PARTS NOT SHIPPED FROM FACTORY 4V9803 PLATES. >
05/07/2009	Service	8	WELD/BORE EYE (FP) STEP/LADDER	
05/26/2009	Service	0	PERFORM FIRST REVISIT	PERFORMED FIRST REVISIT INSPECTION. >
05/26/2009	Service	0	PERFORM FIRST REVISIT	
05/26/2009	Service	250	REPAIR ENGINE	PROBLEM: CUSTOMER COMPLAINS THAT THE OIL RENEWAL IS NOT WORKING. OIL IN RESERVOIR TANK IS FULL. > CAUSE: INSPECTED MACHINE. FOUND NO ACTIVE FAULTS. CHECKED THE HOSE FROM THE TANK TO THE SOLENOID VALVE. FOUND SOME AIR IN THE HOSE. > CORRECTION: MACHINE APPEARS TO BE WORKING NOW. JOHN HUNTER WILL INSTALL NEW FLASH FILES IF NEEDED. INSTRUCTED CUTOMER TO MONITOR THE RESERVOIR FOR A SHIFT AND CALL IF THE LEVEL DOES NOT CHANGE. RELEASED MACHINE. > NOTE: CLAIM TO MCSY WARRANTY. MACHINE HAS 250 HOURS. PART RESPONSIBLE 2521595. >
05/26/2009	Service	250	REPAIR ENGINE	

05/26/2009	Service	250	REPAIR ONE-PIECE BOOM	PROBLEM: THE LIFT HARNESS NOT WORKING PROPERLY. > CAUSE: INSPECTED MACHINE AND FOUND THE LIFT HARNESS HAS A PIN NOT LOCKED IN THE CONNECTOR. ALSO FOUND A BAD WIRE. > CORRECTION: REPAIRED THE BAD WIRE. INSTALLED IT IN THE CONNECTOR. RECALIBRATED THE LIFT AND TILT SENSORS. MACHINE WORKING O.K. > NOTE: CLAIM TO MCSY WARRANTY. MACHINE HAS 250 HOURS. PART TO FAIL 3066609. >
05/26/2009	Service	250	REPAIR ONE-PIECE BOOM	
06/09/2009	Service	515	REPAIR ENGINE COOLING SYSTEM	PROBLEM: MACHINE HAS A WATER LEAK. > CAUSE: INSPECTED MACHINE AND FOUND THE COOLANT ELBOW AT THE BOTTOM WATER LINE AT WATER PUMP CONNECTION FAILED. WILL NEED TO REPLACE ELBOW. > CORRECTION: REMOVED GUARDS AND COVERS. REMOVED ELBOW. INSTALLED NEW 2955522 ELBOW. FILLED COOLANT LEVEL. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. > NOTE: CLAIM TO NEW MACHINE WARRANTY. MACHINE HAS 515 HOURS. PART TO FAIL 2955522 ELBOW. >
06/09/2009	Service	515	WELD/BORE EYE (FP) ENGINE COOLING SYSTEM	
06/09/2009	Service	515	REPAIR ENGINE COOLING SYSTEM	
06/09/2009	Service	515	WELD/BORE EYE (FP) ENGINE COOLING SYSTEM	
06/29/2009	Service	464	REPAIR ENGINE	PROBLEM: MACHINE LEAKING OIL. > CAUSE: INSPECTED MACHINE AND FOUND THE #1 FUEL INJECTOR LEAKING. WILL NEED TO REPLACE 2530615 INJECTOR. > CORRECTION: REMOVED VALVE COVERS. PRESSURIZED FUEL SYSTEM. REMOVED #1 INJECTOR. INSTALLED NEW 2530615 INJECTOR. CHANGED OIL AND FILTERS. PERFORMED CYLINDER CUT OUT TESTS. TEST O.K. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. > NOTE: CLAIM TO NEW MACHINE WARRANTY. MACHINE HAS 464 HOURS. PART TO FAIL 2530615. >
06/29/2009	Service	464	WELD/BORE EYE (FP) MACHINE	
06/29/2009	Service	464	TRAVEL TO/FROM VIBRATOR	
06/29/2009	Service	464	REPAIR ENGINE	
06/29/2009	Service	464	WELD/BORE EYE (FP) MACHINE	
06/29/2009	Service	464	TRAVEL TO/FROM VIBRATOR	
07/22/2009	Service	1302	REMOVE AND INSTALL LIFT/HOIST CYLINDER	PROBLEM: CUSTOMER COMPLAINS OF MACHINE LEAKING OIL > CAUSE: INSPECTED MACHINE AND FOUND THE LIFT CYLINDERS LEAKING AT WIPER SEAL. WILL NEED TO REPLACE CYLINDERS. > CORRECTION: REMOVED PINS. REMOVED LEFT AND RIGHT HAND LIFT CYLINDERS. INSTALLED NEW CYLINDERS. PRESSED IN PINS. INSTALLED PIN KEEPERS AND HOSES. CHECKED OPERATION OF BOOM. MACHINE WORKING O.K. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. SENT CYLINDERS TO THE HYDRAULIC SHOP FOR FAILURE ANALYSIS AND REPAIRS. > NOTE: CLAIM TO NEW MACHINE WARRANTY. MACHINE HAS 1014 HOURS. HYDRAULIC SHOP WILL DO SIMS AND FAILURE ANALYSIS. >
07/22/2009	Service	1302	WELD/BORE EYE (FP) MACHINE	ONE 3080831 LIFT CYLINDER. SEGMENT 04
07/22/2009	Service	1302	RECONDITION/OVERHAUL LIFT/HOIST CYLINDER	M90626000HYDJM WHITE FLAME ENERGY CHAS EXC SP-227184/SP-BH239075 1-LIFT CYL 00S336600 XHY=3080830 +++++ ONE 3080830 LIFT CYLINDER.
07/22/2009	Service	1302	RECONDITION/OVERHAUL LIFT/HOIST CYLINDER	N90626000HYDJM WHITE FLAME ENERGY CHAS EXC SP-227184/SP-BH239076 1-LIFT CYL 00S336600 XHY=3080831
07/22/2009	Service	1302	TM INSPECTION WINDOWS	WORN CORE SEG 00P077545-00X019981 00P077543-00X019981
07/22/2009	Service	1302	REMOVE AND INSTALL LIFT/HOIST CYLINDER	
07/22/2009	Service	1302	WELD/BORE EYE (FP) MACHINE	
07/22/2009	Service	1302	RECONDITION/OVERHAUL LIFT/HOIST CYLINDER	
07/22/2009	Service	1302	RECONDITION/OVERHAUL LIFT/HOIST CYLINDER	
07/22/2009	Service	1302	TM INSPECTION WINDOWS	
07/27/2009	Service	1302	ASSEMBLE USE CODE 7186	BUILD SPILL GUARD AND PAINT REFERENCE CPI 207115 IN STORY AUTHORIZATION: JER062909A CODE GAHJ
07/27/2009	Service	1302	REPAIR BUCKET, GENERIC	COST TO REMOVE SPILL GUARD AND STRAIGHTEN BUCKET REFERENCE CPI 207115 IN STORY AUTHORIZATION: JER062909A CODE GAHJ
07/27/2009	Service	1302	INSTALL USE CODE 7186	INSTALL AND WELD REFERENCE CPI 207115 IN STORY AUTHORIZATION: JER062909A CODE GAHJ
07/27/2009	Service	1302	TRAVEL TO/FROM VIBRATOR	
07/27/2009	Service	1302	ASSEMBLE USE CODE 7186	
07/27/2009	Service	1302	REPAIR BUCKET, GENERIC	
07/27/2009	Service	1302	INSTALL USE CODE 7186	
07/27/2009	Service	1302	TRAVEL TO/FROM VIBRATOR	
08/06/2009	Service	1384	PERFORM PRODUCT IMPROVEMENT PROG.	
08/06/2009	Service	1384	TRAVEL TO/FROM VIBRATOR	
08/06/2009	Service	1384	PERFORM PRODUCT IMPROVEMENT PROG.	

08/06/2009	Service	1384	TRAVEL TO/FROM VIBRATOR	
09/09/2009	Service	1477	REPAIR BOOM TRUCK USAGE	PROBLEM: CUSTOMER COMPLAINED OF A CRACK ON THE LOADER ARM. > CAUSE: INSPECTED MACHINE AND FOUND A SIX INCH CRACK IN THE TORQUE TUBE ON THE LEFT LOADER ARM ASSEMBLY. > CORRECTION: CUT THE CRACK COMPLETELY OUT AND WELDED. GRIDDED THE AREA SMOOTH AND PAINTED. > NOTE: CLAIM TO NEW MACHINE WARRANTY. MACHINE HAS 1477 HOURS. PART CRACKED PART OF 2482521. >
09/09/2009	Service	1477	TRAVEL TO/FROM VIBRATOR	
09/09/2009	Service	1477	REPAIR BOOM TRUCK USAGE	
09/09/2009	Service	1477	TRAVEL TO/FROM VIBRATOR	
10/20/2009	Service	0	TEST/CHECK, ADJUST ENGINE	PIN TIMED ENGINE. REMOVED PIPING VALVE COVERS. ADJUSTED VALVE AND INJECTORS. TURNED ENGINE. INSTALLED VALVE COVERS INTAKE PIPING. >
11/19/2009	Service	2620	REPAIR HYDRAULIC SYSTEM	PROBLEM: HOSE LEAKING. > CAUSE: INSPECTED MACHINE AND FOUND THE HYDRAULIC HOSE FROM THE RIGHT HAND REAR TO THE MANIFOLD IN THE CENTER SECTION LEAKING. WILL NEED TO REPLACE HOSE. > CORRECTION: REMOVED HOSE. NO NEW STEMS IN STOCK. BROKE HOSE DOWN. REUSED STEMS AND MADE NEW HOSE FROM CUSTOMER HOSE TRAILER. FILLED WITH OIL. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. > NOTE: CLAIM TO NEW MACHINE WARRANTY. NO STEMS IN STOCK. REUSED STEMS. NO PARTS TO SEND TO WARRANTY. MACHINE HOURS 2620. PART LEAKING 3068951 HOSE. >
11/19/2009	Service	2620	REPAIR HYDRAULIC SYSTEM	
12/30/2009	Service	3148	REPAIR ELECTRICAL SYSTEM	PROBLEM: IMPLEMENT PUMP FAULTING. > CAUSE: INSPECTED MACHINE AND FOUND THE SOLENOID COIL BAD CAUSING THE FAULT. WILL NEED TO REPLACE COIL. > CORRECTION: REMOVED PUMP. REMOVED COIL. INSTALLED NEW 1482350 COIL. INSTALLED PUMP. FAULT WENT AWAY. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. > NOTE: CLAIM TO NEW MACHINE WARRANTY. MACHINE HOURS 3148. PART FAILED 1482350 COIL. >
12/30/2009	Service	3148	REPAIR ELECTRICAL SYSTEM	
01/06/2010	Service	3225	REMOVE AND INSTALL HYDRAULIC HOSES/LINES	PROBLEM: CUSTOMER COMPLAINS OF HYDRAULIC LEAK. > CAUSE: INSPECTED MACHINE AND FOUND THE PUMP HOSE FROM THE RIGHT HAND REAR CRACKED AT THE STEM END. WILL NEED TO REPLACE HOSE. > CORRECTION: REMOVED HOSE. INSTALLED NEW 3068951 HOSE. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. > NOTE: CLAIM TO NEW MACHINE WARRANTY. MACHINE HOURS 3225. PART LEAKING 3068951 HOSE. >
01/06/2010	Service	3225	REMOVE AND INSTALL HYDRAULIC HOSES/LINES	
03/17/2010	Service	4039	REPAIR HYDRAULIC SYSTEM	PROBLEM: MACHINE SHOWING ELECTRICAL FAULT. > CAUSE: INSPECTED MACHINE AND FOUND THAT THE PIN CONNECTOR WAS MISSING IN THE 3265212 COIL FOR THE R.H. IMPLEMENT PUMP. ALSO PIN WAS MISSING IN THE CONNECTOR. THIS CAUSED COIL TO FAIL WHICH SHOWED ELECTRICAL FAULT. > CORRECTION: REPLACED COIL AND PIN IN CONNECTOR. FAULT WENT AWAY AND MACHINE IS O.K. > NOTE: PART THAT FAILED WAS 3265212 COIL. PART HAD 4039 HOURS ON IT. CLAIM TO NEW MACHINE WARRANTY. >
03/17/2010	Service	4039	REPAIR HYDRAULIC SYSTEM	
03/25/2010	Service	4291	REPAIR LIFT/HOIST CYLINDER	PROBLEM: CUSTOMER COMPLAINS OF MACHINE MAKING A NOISE. > CAUSE: INSPECTED MACHINE AND FOUND THE "Y" PIN HAS FAILED. WILL NEED TO REPLACE Y PIN. > CORRECTION: REMOVED "Y" PIN. INSTALLED NEW "Y" PIN. CHECKED OPERATION OF MACHINE. WORKING O.K. > NOTE: CLAIM TO NEW MACHINE WARRANTY. MACHINE HOURS 4291. PART FAILED 2817169 "Y" PIN. >
03/25/2010	Service	4291	WELD/BORE EYE (FP) MACHINE	
03/25/2010	Service	4291	REPAIR LIFT/HOIST CYLINDER	
03/25/2010	Service	4291	WELD/BORE EYE (FP) MACHINE	
04/15/2010	Service	4640	REPAIR HYDRAULIC SYSTEM	PROBLEM: HYDRAULIC LEAK. > CAUSE: INSPECTED MACHINE AND FOUND A HOSE FOR THE RIGHT HAND FRONT HYDRAULIC PUMP LEAKING. FOUND THE HOSE WAS BLOWN IN THE CENTER SECTION. WILL NEED TO REPLACE HOSE. > CORRECTION: ORDERED HOSE. HOSE WAS ON BACK ORDER. CUSTOMER ORDERED HOSE FROM ANOTHER DEALER. ONCE PART ARRIVE. REMOVED 3490619 HOSE. INSTALLED NEW HOSE. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. > NOTE: CLAIM LABOR ONLY TO NEW MACHINE WARRANTY. CUSTOMER SUPPLIED PART. MACHINE HOURS 4640. PART FAILED 3490619 HOSE. >
04/15/2010	Service	4640	REPAIR HYDRAULIC SYSTEM	
05/06/2010	Service	4839	REPAIR HYDRAULIC SYSTEM	PROBLEM: OIL LEAK. > CAUSE: INSPECTED MACHINE AND FOUND THE 3068952 HOSE LEAKING. WILL NEED TO REPLACE HOSE. > CORRECTION: REMOVED HOSE. INSTALLED NEW 3068952 HOSE, CLAMPS, AND PLATES. FILLED WITH OIL. CHECKED FOR LEAKS. NONE FOUND. RELEASED MACHINE. > NOTE: CLAIM TO NEW MACHINE WARRANTY. CUSTOMER REPORTED LEAK ON 4/6 DUE TO MECHANIC AVAILABILITY HAD TO SCHEDULE REPAIR AT A LATE DATE PART LEAKING 3068952 HOSE. MACHINE HOURS 4839. >
05/06/2010	Service	4839	REPAIR HYDRAULIC SYSTEM	
09/15/2010	Service	0	REPAIR HYDRAULIC SYSTEM	

09/15/2010	Service	0	WELD/BORE EYE (FP) MACHINE	
09/30/2010	Service	1	REPAIR NON-CAT HYD CYLINDER	
09/30/2010	Service	1	REPAIR LIFT/HOIST CYLINDER	(2) LIFT CYLINDER ROD ASSYS.
09/30/2010	Service	1	REPAIR STEERING CYLINDER	TORE DOWN AND INSPECTED CYLINDER. REPLACED SEALS AND BEARINGS. HONED BARREL AND POLISHED AND CHECKED THE ROD, HAD TO PATCH WELD ONE DENT IN THE WIPER AREA. POLISHED HEAD AND THE PISTON
09/30/2010	Service	1	REPAIR TILT CYLINDER	
09/30/2010	Service	1	REPAIR HYD CYLINDER BARREL	INSPECT BARRELS FOR CRACKS & HONE.
09/30/2010	Service	1	REPAIR NON-CAT HYD CYLINDER	
11/17/2010	Service	6738	ZONE MILEAGE WHEEL BRAKE ASSEMBLY	
11/17/2010	Service	6738	RECONDITION/OVERHAUL WHEEL BRAKE ASSEMBLY	M002910 WHITE FLAME ENERGY CHAS EXC ADDS SEG 04 / POSS WARR 1-SERVICE BRAKE SENT CONT# CX57907 00S378650 XCA=2418426 / 2010 ADDS YY THE CUSTOMER REMOVED THE BRAKE AFTER FAILURE AND INSTALLED AN EXCHANGE UNIT. THE CRC DISASSEMBLED THE CORE UNIT AND FOUND THE BRAKE HUB HAD THRUST AGAINST THE BRAKE REACTION PLATE, AND HAD WORN THROUGH THE SHOULDER AREA OF THE PLATE. . MOVEMENT OF THE BRAKE HUB ALLOWED THE INNER MOST BRAKE DISC TO DISENGAGE THE HUB, AS INDICATED BY RUBBING ON THE DISC TEETH. . THE DISCS AND PLATES WERE WORN AND GROOVED BY DEBRIS IN THE BRAKE OIL. . DAMAGE IN THIS BRAKE GROUP IS SIMILAR TO WHAT IS SEEN WHEN THE DIFFERENTIAL BEARINGS ARE FAILING. THERE IS NO RECORD OF DIFFERENTIAL REPAIR IN THE MACHINE HISTORY, AND THERE IS NO RECORD OF BRAKE REPAIR OTHER THAN THIS CURRENT FAILURE. . THE SOS HISTORY ON THE FRONT AND THE REAR DIFFERENTIALS SHOWS AN ERRATIC TREND O
11/17/2010	Service	6738	TM INSPECTION WINDOWS	WORN CORE SEG
11/17/2010	Service	6738	ZONE MILEAGE WHEEL BRAKE ASSEMBLY	
11/17/2010	Service	6738	RECONDITION/OVERHAUL WHEEL BRAKE ASSEMBLY	
11/17/2010	Service	6738	TM INSPECTION WINDOWS	WORN CORE SEG
11/17/2010	Service	6738	REPAIR WHEEL BRAKE ASSEMBLY	TUBE ASSEMBLY AND TOOLING NOT COVERED BY WARRANTY. >
02/22/2011	Service	0	REBUILD WHEEL BRAKE ASSEMBLY	
02/28/2011	Service	0	REMOVE AND INSTALL ONE-PIECE BOOM	
03/07/2011	Service	0	ZONE MILEAGE WHEEL BRAKE ASSEMBLY	
03/18/2011	Service	8708	WELD/BORE EYE (FP) AXLE HOUSING ASSEMBLY	PROBLEM: AXLE HOUSING CRACKED. > CAUSE: INSPECTED MACHINE AND FOUND THE FRONT AXLE HOUSING WAS CRACKED. ALSO FOUND WHERE OIL HAD LEAKED OUT AND CAUSED CONTINGENT DAMAGE TO THE DIFFERENTIAL. FOUND THAT THE BEARING ON THE RING SIDE WAS DAMAGED AND THIS CAUSED CONTAMINATION TO THE FINAL DRIVES AND BRAKE UNITS. > CORRECTION: REMOVED AND REPLACED THE FRONT AXLE HOUSING, BOTH FINAL DRIVES AND BRAKES. FILLED WITH OIL AND TORQUED ALL MOUNTING BOLTS TO SPEC. > NOTE: CLAIM TO P551913 MACHINE HAD 8708 HOURS ON IT. >
03/18/2011	Service	8708	REPAIR FRONT AXLE	REMOVED FINAL DRIVES, REMOVED FRONT AXLE HOUSING, CHANGED OVER BRAKES, LINES. DURING CHANGE OVER FOUND BEARING ON RING GEAR SIDE DAMAGED. INSTALLED AXLE HOUSING MOUNT AND BOLTS, INSTALLED FINAL DRIVES, FILLED OIL LEVELS, BLED BRAKES, INSTALLED TIRE CHAINS. >
03/18/2011	Service	8708	WELD/BORE EYE (FP) AXLE HOUSING ASSEMBLY	
03/18/2011	Service	8708	REPAIR FRONT AXLE	
04/22/2011	Service	8708	ZONE MILEAGE DIFFERENTIAL	
04/22/2011	Service	8708	RECONDITION/OVERHAUL DIFFERENTIAL	M004510 WHITE FLAME ENERGY CHAS EXC POSSIBLE WARRANTY 1-DIFF SENT CONT# CH57989 00S393562 XCA=2428673 YY LOGAN FIELD SERVICE INSPECTED THE DIFFERENTIAL DURING THE REPLACEMENT OF THE FRONT AXLE HOUSING AND FOUND THE DIFFERENTIAL BEARINGS FAILING. . AN EXCHANGE DIFFERENTIAL WAS INSTALLED IN THE MACHINE AND THE CORE UNIT WAS SENT TO THE MAIN SHOP FOR RECONDITION. THE MAIN SHOP REPAIRED THE DIFFERENTIAL IN ACCORDANCE WITH PS43120. THE BRAKE GROUPS ALSO RECEIVED CONTINGENT DAMAGE FROM THE BEARING FAILURES. . THE FAILED DIFFERENTIAL WAS THE ORIGINAL COMPONENT OF Z9K00326 AND WAS NOT REPAIRED PRIOR TO FAILURE. AT FAILURE, THE DIFFERENTIAL WAS IN SERVICE 22 MONTHS AND 8708 HOURS. THE MACHINE WAS STILL COVERED BY NEW CAT EXTENDED WARRANTY AT THE TIME OF FAILURE. >
04/22/2011	Service	8708	ZONE MILEAGE WHEEL BRAKE ASSEMBLY	
04/22/2011	Service	8708	RECONDITION/OVERHAUL WHEEL BRAKE ASSEMBLY	
04/22/2011	Service	8708	TM INSPECTION WINDOWS	WORN CORE SEG

04/22/2011	Service	8708	ZONE MILEAGE DIFFERENTIAL	
04/22/2011	Service	8708	RECONDITION/OVERHAUL DIFFERENTIAL	
04/22/2011	Service	8708	TM INSPECTION WINDOWS	WORN CORE SEG
04/22/2011	Service	8708	ZONE MILEAGE WHEEL BRAKE ASSEMBLY	
04/22/2011	Service	8708	RECONDITION/OVERHAUL WHEEL BRAKE ASSEMBLY	
04/22/2011	Service	8708	TM INSPECTION WINDOWS	
05/31/2011	Service	0	REMOVE AND INSTALL ENGINE	
05/31/2011	Service	0	REMOVE AND INSTALL ENGINE	
05/31/2011	Service	0	SPS KITS W/ MACHINE PURCH MACHINE	
05/31/2011	Service	0	REMOVE AND INSTALL ENGINE	
06/10/2011	Service	0	INSPECT ONE-PIECE BOOM	
06/29/2011	Service	0	RECONDITION/OVERHAUL ENGINE/MOTOR MOUNT	
06/29/2011	Service	0	TM INSPECTION WINDOWS	
06/29/2011	Service	0	REPAIR ENGINE	
06/29/2011	Service	0	RECONDITION/OVERHAUL TORQUE CONVERTER	
07/22/2011	Service	0	TRANSPORT VARIABLE HORSE POWER(VHP)	
08/05/2011	Service	1	WELD/BORE/SLEEVE ZONE ONE	
08/05/2011	Service	1	REBEARING AND RESEAL TILT CYLINDER	ASSEMBLED WITH NEW SEALS, BEARINGS, AND HARDWARE. TESTED, PAINTED, AND SHIPPED.
08/05/2011	Service	1	SALVAGE REPAIR HYD CYLINDER BARREL	BORE DAMAGED; REPAIRED SEAL AREA.
08/05/2011	Service	1	SALVAGE REPAIR HYD CYLINDER ROD	ROD DAMAGED INTO CHROME, REPAIRED CHROME DAMAGE.
08/05/2011	Service	1	SALVAGE REPAIR PISTON HYDRAULIC HAMMER	WELDED AND MACHINED FITS ON HEAD AND PISTON.
08/05/2011	Service	1	WELD/BORE/SLEEVE ZONE ONE	
09/29/2011	Service	0	WELD/BORE EYE (FP) HYDRAULIC HOSES/LINES	
09/30/2011	Service Credit	0	WELD/BORE EYE (FP) HYDRAULIC HOSES/LINES	
09/30/2011	Service	11559	PERFORM PRODUCT IMPROVEMENT PROG.	
09/30/2011	Service	11559	TRAVEL TO/FROM VIBRATOR	MAPQUEST HAS GILBERT WV AS 90 MILES ONE WAY. JOB IS LOCATED PAST THIS AND THE MACHINE IS ACROSS THE JOB..
09/30/2011	Service	11559	PERFORM PRODUCT IMPROVEMENT PROG.	
09/30/2011	Service	11559	TRAVEL TO/FROM VIBRATOR	
09/30/2011	Service	11559	PERFORM PRODUCT IMPROVEMENT PROG.	
09/30/2011	Service	11559	TRAVEL TO/FROM VIBRATOR	TECHNICIAN STAYED IN GILBERT INSTEAD OF TRAVELING BACK TO BELLE. WE ARE CHARGING LODGING AND MEALS IN PLACE OF TRAVEL AND MILEAGE..
09/30/2011	Service	11559	PERFORM PRODUCT IMPROVEMENT PROG.	
09/30/2011	Service	11559	TRAVEL TO/FROM VIBRATOR	
09/30/2011	Service	0	WELD/BORE EYE (FP) HYDRAULIC HOSES/LINES	
10/20/2011	Service	0	REMOVE AND INSTALL TRANSMISSION	
10/20/2011	Service	0	WELD/BORE EYE (FP) MACHINE	
10/20/2011	Service	0	TRAVEL TO/FROM VIBRATOR	
12/12/2011	Service	0	PERFORM PRODUCT IMPROVEMENT PROG.	
12/12/2011	Service	0	TRAVEL TO/FROM VIBRATOR	
12/12/2011	Service	0	PERFORM PRODUCT IMPROVEMENT PROG.	
12/12/2011	Service	0	PERFORM PRODUCT IMPROVEMENT PROG.	
12/12/2011	Service	0	TRAVEL TO/FROM VIBRATOR	
01/26/2012	Service	0	MACHINE/GRIND/MILL TRUCK #915	1-1531229 YOKE SP-5471/SP-BH275110 REPAIR SEAL AREAS
01/26/2012	Service	0	MACHINE/GRIND/MILL TRUCK #915	1-1629969 YOKE SP-5469/SP-BH275111 REPAIR SEAL AREAS
02/10/2012	Service	0	MACHINE/GRIND/MILL TRUCK #915	1-1531229 YOKE SP-5470/SP-BH275149 REPAIR SEAL AREAS
02/10/2012	Service	0	MACHINE/GRIND/MILL TRUCK #915	1-2494323 INPUT SHAFT SP-5473/SP-BH275150 REPAIR BRG SURFACE & DOWEL HOLES
03/27/2012	Service	0	TM INSPECTION WINDOWS	
03/27/2012	Service	0	RECONDITION/OVERHAUL TRANSMISSION	M007790 WHITE FLAME ENERGY CHAS.EXC ADDS LA54805-01 1-TRANS SENT CONT# LX53750 00S419885 XCA=2559332 / 2011 ADDS

03/27/2012	Service	0	TM INSPECTION WINDOWS	
04/03/2012	Service	0	REBUILD TRANSMISSION	
04/03/2012	Service	0	REBUILD TRANSMISSION	
06/14/2012	Service	0	WELD/BORE EYE (FP) MACHINE	
06/28/2012	Service	14715	PERFORM PRODUCT IMPROVEMENT PROG.	PROBLEM: BRAKE TUBES CAN LEAK > CAUSE: CLIPS RUB THROUGH THE TUBE AND CAUSE OIL LEAKS. > CORRECTION: REMOVE AND INSTALLED AN UPDATED TUBE WITH NEW CLIPS AND GROMMET. > NOTE: COVERED UNDER PI31826 PART FAILED 2961333 HOURS ON PART 14715
06/28/2012	Service	14715	TRAVEL TO/FROM VIBRATOR	
06/28/2012	Service	14715	PERFORM PRODUCT IMPROVEMENT PROG.	
06/28/2012	Service	14715	TRAVEL TO/FROM VIBRATOR	
06/29/2012	Service	0	TRANSPORT VARIABLE HORSE POWER(VHP)	
06/29/2012	Service	0	WELD/BORE EYE (FP) MACHINE	
08/23/2012	Service	0	MACHINE/GRIND/MILL TRUCK #915	1-1102141 YOKE SP-6699/SP-BH284889 REPAIR AS NEEDED
09/28/2012	Service	0	REMOVE AND INSTALL TORQUE CONVERTER	
09/28/2012	Service	0	WELD/BORE EYE (FP) MACHINE	
09/28/2012	Service	0	REPAIR TORQUE CONVERTER	
09/28/2012	Service	0	TRAVEL TO/FROM VIBRATOR	
03/04/2013	Service	16203	PERFORM PRODUCT IMPROVEMENT PROG.	
03/04/2013	Service	16203	TRAVEL TO/FROM VIBRATOR	JOB IS LOCATED NEAR GILBERT. MAPQUEST HAS THIS AS APPX 100 MILES ONE WAY ...
03/04/2013	Service	16203	PERFORM PRODUCT IMPROVEMENT PROG.	
03/04/2013	Service	16203	TRAVEL TO/FROM VIBRATOR	
06/18/2013	Service	17481	INSPECT MACHINE	
06/18/2013	Service	17481	TRAVEL TO/FROM VIBRATOR	
07/31/2013	Service	0	VISUAL INSPECTION OF VEH# CGS260 S/N 18656	
07/31/2013	Service	0	RECONDITION FOR EXCHANGE WHEEL BRAKE ASSEMBLY	
08/01/2013	Service	0	VEHICLE MAINTENANCE WHEEL BRAKE ASSEMBLY	
08/01/2013	Service	0	WRECK REPAIR WHEEL BRAKE ASSEMBLY	COMPLAINT: ADDITIONAL CHARGES FOR EXCHANGE BRAKE CAUSE: HOUSING HAD SPLINES DAMAGED AND WAS NOT REPAIRABLE. THIS IS AN ADD CHARGE PER EXCHANGE REFERENCE. CORRECTIVE ACTION: ORDERED AND INSTALLED A NEW HOUSING DURING REBUILD. COMPLICATIONS: NONE TONY MCNEW
05/01/2014	Service	0	ZONE MILEAGE ENGINE	
05/14/2014	Service Credit	0	ZONE MILEAGE ENGINE	
05/14/2014	Service	0	ZONE MILEAGE ENGINE	
05/14/2014	Service	0	ZONE MILEAGE ENGINE	
05/21/2014	Service	0	REMOVE AND INSTALL ENGINE &TORQ CONV/DIVIDER	
05/21/2014	Service	0	WELD/BORE EYE (FP) MACHINE	
05/21/2014	Service	0	TOP-UP RADIATOR	
05/21/2014	Service	0	REPLACE HYDRAULIC FAN MOTOR	
05/21/2014	Service	0	TRAVEL TO/FROM VIBRATOR	
06/20/2014	Service	0	MACHINE/GRIND/MILL TRUCK #915	1-1102141 YOKE SP-8114/SP-BH307205 REPAIR AS NEEDED
06/25/2014	Service	0	TM INSPECTION WINDOWS	
06/25/2014	Service	0	RECONDITION/OVERHAUL TORQUE CONVERTER	M018520 HIGHLAND MINING CO CHAS.EXC ADDS LA64387-02 1-TORQUE SENT CONT# BM43806 00S500429 XCA=2465244 / 2014 ADDS
06/25/2014	Service	0	TM INSPECTION WINDOWS	
06/25/2014	Service	0	RECONDITION/OVERHAUL ENGINE/MOTOR MOUNT	M018520 HIGHLAND MINING CO CHAS.EXC 2-MOTOR MOUNTS 00S500448 XCA=2466042
06/25/2014	Service	0	REMOVE AND INSTALL AIR CONDITIONER	
06/25/2014	Service	0	REMOVE AND INSTALL HYDRAULIC HOSES/LINES	
06/25/2014	Service	0	SPS KITS W/ MACHINE PURCH MACHINE	
06/25/2014	Service	0	REBUILD RADIATOR	
06/26/2014	Service	0	REBUILD ENGINE	
06/26/2014	Service	0	REBUILD TORQUE CONVERTER	
06/30/2014	Service	0	TM INSPECTION WINDOWS	

[illegible]

03/01/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
03/01/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
03/01/2016	Service	17481	RECONDITION/OVERHAUL DIFFERENTIAL	
03/01/2016	Service	17481	RECONDITION/OVERHAUL DIFFERENTIAL	
03/16/2016	Service	17481	UNLOAD & INSPECT TRANSMISSION LEAK	
03/16/2016	Service	17481	UNLOAD & INSPECT TRANSMISSION LEAK	
03/16/2016	Service	17481	RECONDITION/OVERHAUL BUCKET, GENERIC	
03/16/2016	Service	17481	RECONDITION/OVERHAUL BUCKET, GENERIC	
03/16/2016	Service	17481	REPAIR BUCKET, GENERIC	
03/16/2016	Service	17481	REPAIR BUCKET, GENERIC	
06/08/2016	Service	17481	WELD/BORE EYE (FP) STEERING PUMP	
06/08/2016	Service	17481	WELD/BORE EYE (FP) STEERING PUMP	
06/10/2016	Service	1	WELD/BORE/SLEEVE ZONE ONE	
06/17/2016	Service Credit	17481	WELD/BORE EYE (FP) STEERING PUMP	
06/17/2016	Service Credit	17481	WELD/BORE EYE (FP) STEERING PUMP	
06/17/2016	Service	17481	WELD/BORE EYE (FP) STEERING PUMP	
06/17/2016	Service	17481	WELD/BORE EYE (FP) STEERING PUMP	
06/30/2016	Service	1	REPAIR PISTON PUMP	
06/30/2016	Service	1	RECOVER ZONE ONE	
06/30/2016	Service	1	REPAIR PISTON PUMP	
06/30/2016	Service	1	RECOVER ZONE ONE	
08/25/2016	Service Credit	17481	WINTERIZE RESERVED FOR EXPANSION	
08/25/2016	Service Credit	17481	WINTERIZE RESERVED FOR EXPANSION	
08/25/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
08/25/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
08/25/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
08/25/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
08/25/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
08/25/2016	Service	17481	WINTERIZE RESERVED FOR EXPANSION	
08/31/2016	Service	1		
08/31/2016	Service	1	REPAIR PISTON PUMP	
08/31/2016	Service	1	WELD/BORE/SLEEVE PISTON PUMP	
10/28/2016	Service	17481	RECONDITION/OVERHAUL ENGINE/MOTOR MOUNT	
10/28/2016	Service	17481	RECONDITION/OVERHAUL ENGINE/MOTOR MOUNT	
12/05/2016	Service	17481	PERFORM SERVICE LTR AUTHORIZATION	
12/05/2016	Service	17481	PERFORM SERVICE LTR AUTHORIZATION	
12/05/2016	Service	17481	ZONE MILEAGE TORQUE CONVERTER	
12/05/2016	Service	17481	ZONE MILEAGE TORQUE CONVERTER	
12/05/2016	Service	17481	RECONDITION/OVERHAUL TORQUE CONVERTER	INCIDENT: Brass and metal in Screen Impellar Clutch not working - Sent to CRC for repair evaluation CORRECTION: Machine had to be downed @ low hours to determine the repair CAUSE: Impeller Clutch failure - See FA attached to this segment. FAILUREDESCRIPTION: This is a typical 993K impeller clutch failure. The failed torque convertor was previously reconditioned to exchange standards on work order CX74702. The torque convertor was built prior to the current publication of impeller clutch updates in service letter TEBE3566-01 PS53047 - 2/1/2016
12/05/2016	Service	17481	RECONDITION/OVERHAUL TORQUE CONVERTER	INCIDENT: Brass and metal in Screen Impellar Clutch not working - Sent to CRC for repair evaluation CORRECTION: Machine had to be downed @ low hours to determine the repair CAUSE: Impeller Clutch failure - See FA attached to this segment. FAILUREDESCRIPTION: This is a typical 993K impeller clutch failure. The failed torque convertor was previously reconditioned to exchange standards on work order CX74702. The torque convertor was built prior to the current publication of impeller clutch updates in service letter TEBE3566-01 PS53047 - 2/1/2016

12/06/2016	Service	17481	WELD/BORE EYE (FP) MACHINE	
12/06/2016	Service	17481	WELD/BORE EYE (FP) MACHINE	
05/31/2018	Service	17481	WELD/BORE EYE (FP) MACHINE	
05/31/2018	Service	17481	WELD/BORE EYE (FP) MACHINE	
05/31/2018	Service	17481	RECONDITION/OVERHAUL STEERING CYLINDER	
05/31/2018	Service	17481	RECONDITION/OVERHAUL STEERING CYLINDER	
06/11/2018	Service	17481	ZONE MILEAGE WINDOWS	
06/11/2018	Service	17481	ZONE MILEAGE WINDOWS	
06/11/2018	Service	17481	RECONDITION/OVERHAUL TILT CYLINDER	
06/11/2018	Service	17481	RECONDITION/OVERHAUL TILT CYLINDER	
08/16/2018	Service	17481	ZONE MILEAGE WINDOWS	
08/16/2018	Service	17481	ZONE MILEAGE WINDOWS	
10/04/2018	Service	17481	INSPECT REMANUFACTURED COMPONENTS	
10/04/2018	Service	17481	INSPECT REMANUFACTURED COMPONENTS	
10/22/2018	Service	17481	ZONE MILEAGE ENGINE	
10/22/2018	Service	17481	ZONE MILEAGE ENGINE	
10/22/2018	Service	17481	ZONE MILEAGE TORQUE CONVERTER	
10/22/2018	Service	17481	ZONE MILEAGE TORQUE CONVERTER	
10/22/2018	Service	17481	REMOVE AND INSTALL ENGINE &TORQ CONV/DIVIDER	
10/22/2018	Service	17481	REMOVE AND INSTALL ENGINE &TORQ CONV/DIVIDER	
10/22/2018	Service	17481	TOP-UP RADIATOR	
10/22/2018	Service	17481	TOP-UP RADIATOR	
10/22/2018	Service	17481	INSTALL REGENERATION	
10/22/2018	Service	17481	INSTALL REGENERATION	
10/22/2018	Service	17481		
10/22/2018	Service	17481		
11/26/2018	Service	17481	TROUBLESHOOT ENGINE	
11/26/2018	Service	17481	TROUBLESHOOT ENGINE	
08/19/2019	Service	17481	ZONE MILEAGE CYLINDER GROUPS	
08/19/2019	Service	17481	RECONDITION/OVERHAUL LIFT/HOIST CYLINDER	
03/24/2020	Service	17481	REMOVE AND INSTALL TILT CYLINDER	
03/24/2020	Service	17481	TRAVEL TO/FROM YARD AND PREMISES	
03/24/2020	Service	17481	RECONDITION/OVERHAUL TILT CYLINDER	
03/24/2020	Service	17481	VEHICLE COST OF ZONE 3= 26-50 MILES	
07/10/2020	Service	17481	INSPECT TORQUE CONVERTER	
07/10/2020	Service	17481	RECONDITION/OVERHAUL TORQUE CONVERTER	
07/10/2020	Service	17481	INSTALL TORQUE CONVERTER	
01/17/2022	Service	42044	ASSEMBLE MACHINE	CUSTOMER CONCERN ASSEMBLE MACHINE. REPAIR COMMENTS ARRIVED AT THE MINE SITE AND THEN HAD ALL OF OUR MSHA TRAINING VERIFIED AND THEN PRECEDED TO SITE SPECIFIC TRAINING AND THEN VEHICLE INSPECTION AND THEN WE WERE ESCORTED ON THE MINE SITE UP TO WERE THE LOADER WAS AND WHEN WE ARRIVED THERE WAS TWO CRANES AND OPERATORS AND A 993 LOADER SITTING ON A TRAILER SO WE GOT TOGETHER AND MADE A PLAN AND HOOKED RIGGING AND THEN LIFTER THE MACHINE UP OFF THE TRAILER AND THEN TRUCK PULLED OUT AND THEN USING LOADERS AND A TELEHANDLER WE WERE ABLE TO PUSH CRIBBING UNDER THE MACHINE AND HAD IT SITTING SECURELY ON THE GROUND AND THEN HAD SOME TIME TO ASSESS THE MACHINE AND COMPONENTS WE GOT THE FRONT AXLE CLEANED AND PREP ED AND MOUNTING LOCATION AND THE CORRECT HARD WEAR AND HAD THE CRANE LIFT THE FRONT AXLE IN TO PLACE THEN INSTALLED OUR STANDS UNDER THE AXLE AND THEN RAISED AND LOCKED THE STANDS AND THEN INSTALLED BOLTS AND WASHERS AND NUTS AND SECURED THE FRONT AXLE RAN THEM DOWN WITH 1" IMPACT GUN
01/17/2022	Service	42044	TRAVEL TO/FROM MACHINE	

03/08/2022	Service	42049	INSPECT MACHINE	CUSTOMER CONCERN MACHINE HAD MANY LEAKS AND ALL SORTS OF ELECTRICAL ISSUES. REPAIR COMMENTS INSPECTED MACHINE. MADE NOTE OF THE LEAKS AND USED OFF LINE SIS TO IDENTIFY WHAT HOSES SEALS ECT WOULD BE NEEDED TO GET MACHINE BACK IN SERVICE. ORDERED PARTS AS NECESSARY.
03/08/2022	Service	42049	REMOVE AND INSTALL HOSES & LINES	CUSTOMER CONCERN MANY HOSES WERE LEAKING DUE TO AGE AND BEING RUBBED THROUGH OR HARDSET AND LEAKING. REPAIR COMMENTS DRAINED FLUIDS AS NECESSARY. REMOVED LEAKING HYDRAULIC HOSES AND REPLACED WITH NEW HOSES AND SEALS. ROUTED AND FASTENED IN PLACE ACCORDINGLY TO PREVENT RUBBING. RE-SEALED LEAKING VALVES AND FITTINGS. REMOVED POWER TRAIN HOSES AND REPLACED WITH NEW HOSES AS NECESSARY. SOME OF THESE HOSES WERE BURIED IN THE MACHINE AND WERE VERY DIFFICULT TO REPLACE. WARMED UP MAN LIFT AND COMPLETED TASK TRAIN PAPERWORK FOR THE MINE. GATHERED FALL PROTECTION AND TOOLS AND LOADED INTO LIFT. REMOVED HOSES FROM THE TILT CYLINDERS. REPLACED HOSES AND FASTENED IN PLACE WITH THE HOLD DOWN CLAMPS. HOSES WOULD NOT CLOCK RIGHT DUE TO ONE OF THE HARD LINES BEING INCORRECT ON THE CYLINDER. WORKED HOSES AND BRACKETS AROUND UNTIL THEY WERE LAYING CORRECTLY. ONE OF THE PUMPS WAS LEAKING AND NEEDED TO BE REPLACED. WORKED WITH OTHER MECHANIC TO REPLACE PUMP. FINISHED RESEALING EVERYTHING AND FILLED FLUIDS
03/08/2022	Service	42049	TROUBLESHOOT TIMER RELAY	CUSTOMER CONCERN MACHINE HAD MULTIPLE FAULT CODES ACTIVE. REPAIR COMMENTS WORKED THROUGH SCHEMATICS TO TROUBLESHOOT THE FAULT CODES. FOUND A LOT OF BAD WIRING. REPAIRED WIRING AS NECESSARY. STILL HAD AN ACTIVE FAULT FOR THE A/C COMPRESSOR CLUTCH SOLENOID. COMPRESSOR WILL NEED TO BE REPLACED AT SOME POINT.
03/08/2022	Service	42049	TROUBLESHOOT ELECTRICAL SYSTEM	CUSTOMER CONCERN MACHINE WAS MISSING ALMOST ALL OF THE LIGHTS AND HAD A LOT OF ELECTRICAL ISSUES. REPAIR COMMENTS OUT OF ALL OF THE LIGHTS THAT WERE LEFT ON THE MACHINE, ONLY ONE LIGHT WOULD ILLUMINATE. HORNS DID NOT WORK AND THE MACHINE POWERS UP WHEN THE MASTER SWITCH IS TURNED ON. INSPECTED LIGHT WIRING. FOUND IT HAD BEEN HACKED UP AND NEEDED TO BE REPLACED. CUT OUT ALL BAD WIRING. RE-WIRED THE LIGHT CIRCUIT BACK TO NORMAL. LIGHTS WERE WIRED INTO HORN AND HAD TWISTED WIRES ALL OVER AND POOR CONNECTIONS. ASSEMBLED WIRING HARNESSES WITH NEW DEUTSCH CONNECTORS. TESTED AND THE FRONT LIGHTS NOW WORKED EXCEPT FOR ONE. TROUBLESHOT AND FOUND THERE WAS AN OPEN IN ONE IF THE WIRES. TRACED THE HARNESS BACK AND FOUND A BROKEN WIRE AT A HARNESS CONNECTION UNDER THE FENDER. CRIMPED ON NEW DEUTSCH SOCKET AND INSTALLED INTO CONNECTOR. REAR LIGHTS DID NOT ILLUMINATE. USED MULTI METER TO TEST HARNESS. TRACED BACK TO UNDER THE BELLY PAN AND FOUND THERE WAS A BROKEN WIRE. REPAIRED WIRING AS NEEDED. TES
03/08/2022	Service	42049	TRAVEL TO/FROM MACHINE	
03/08/2022	Service	42206	TROUBLESHOOT HYDRAULIC SYSTEM	CUSTOMER CONCERN HYDRAULICS ARE SLOW AND WEAK CAUSE OF FAILURE FAILED HARNESS GOING TO CENTER PUMP RESULTANT DAMAGE ACTIVE CODE FOR CENTER PUMP SOLENOID CURRENT BELOW NORMAL REPAIR COMMENTS GOT TO MACHINE AND HOOKED UP ET. FOUND IT HAD A FEW LOGGED CODES FOR CENTER PUMP SOLENOID CURRENT BELOW NORMAL. STARTED MACHINE AND GOT HYD OIL UP TO OPERATING TEMP. PERFORMED A PUMP CALIBRATION AND FAILED DUE TO ACTIVE CENTER PUMP FAULT. CHANGED OUT COIL AND IT STILL THREW THE CODE. TRACED OUT HARNESS AND FOUND IT HAD AN OPEN. RAN JUMPER WIRES FROM CENTER PUMP SOLENOID TO 12 PIN CONNECTOR. T/C HARNESS IS THE BAD HARNESS. CLEARED ALL CODES AND RAN MACHINE TO GET UP TO TEMPERATURE. CHECKED MAIN RELIEF PRESSURES AND THEY WERE AT 3600 PSI AND SPEC IS 4350 PSI. TURNED BOTH MAIN RELIEFS UP ON THE LEFT AND RIGHT VALVE TO SPEC. CALIBRATED LEVERS, CALIBRATED PUMPS & VALVES AND ALL PASSED THE CALIBRATIONS. LET CUSTOMER OPERATE MACHINE AND THEY WERE HAPPY WITH IT.
03/08/2022	Service	42206	TRAVEL TO/FROM MACHINE	

Fluid Analysis

Date	Hours	Compartment	Severity	Interpretation
03/31/2022	42,325	ENGINE	No Action Required	ELEVATED IRON NOTED, THIS COULD BE RELATED TO THE TIME ON THE FLUID. OTHER SPECTROGRAPHIC WEAR METAL READINGS APPEAR TO BE NORMAL. OTHER ANALYSIS READINGS APPEAR TO BE ACCEPTABLE. OIL AND FILTER CHANGE NOTED CONTINUE NORMALLY SCHEDULED SAMPLING.
04/18/2019	38,870	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
03/05/2019	38,744	DIFFERENTIAL FRONT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

03/05/2019	38,744	DIFFERENTIAL REAR	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
03/05/2019	38,744	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
03/05/2019	38,744	FINAL DRIVE FRONT LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
03/05/2019	38,744	FINAL DRIVE FRONT RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
03/05/2019	38,744	FINAL DRIVE REAR LEFT	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
03/05/2019	38,744	FINAL DRIVE REAR RIGHT	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
03/05/2019	38,744	HYDRAULIC SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
03/05/2019	38,744	STEERING SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
03/05/2019	38,744	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/28/2019	38,452	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	DIFFERENTIAL FRONT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	DIFFERENTIAL REAR	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	FINAL DRIVE FRONT LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	FINAL DRIVE FRONT RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	FINAL DRIVE REAR LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	FINAL DRIVE REAR RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	HYDRAULIC SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	STEERING SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/01/2018	38,115	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
10/25/2018	37,789	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	DIFFERENTIAL FRONT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	DIFFERENTIAL REAR	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	FINAL DRIVE FRONT LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	FINAL DRIVE FRONT RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	FINAL DRIVE REAR LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	FINAL DRIVE REAR RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	HYDRAULIC SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

09/28/2018	37,458	STEERING SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/28/2018	37,458	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
08/24/2018	37,144	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
07/28/2018	36,789	DIFFERENTIAL FRONT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
07/28/2018	36,789	DIFFERENTIAL REAR	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
07/28/2018	36,789	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
07/28/2018	36,789	FINAL DRIVE FRONT LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
07/28/2018	36,789	FINAL DRIVE FRONT RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
07/28/2018	36,789	FINAL DRIVE REAR LEFT	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
07/28/2018	36,789	FINAL DRIVE REAR RIGHT	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
07/28/2018	36,789	HYDRAULIC SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
07/28/2018	36,789	STEERING SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
07/28/2018	36,789	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
06/28/2018	36,466	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/27/2018	41,571	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	DIFFERENTIAL FRONT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	DIFFERENTIAL REAR	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	FINAL DRIVE FRONT LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	FINAL DRIVE FRONT RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	FINAL DRIVE REAR LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	FINAL DRIVE REAR RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	HYDRAULIC SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	STEERING SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
04/19/2018	35,900	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
03/12/2018	35,625	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/18/2018	35,087	DIFFERENTIAL FRONT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/18/2018	35,087	DIFFERENTIAL REAR	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.

01/18/2018	35,087	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/18/2018	35,087	FINAL DRIVE FRONT LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/18/2018	35,087	FINAL DRIVE FRONT RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/18/2018	35,087	FINAL DRIVE REAR LEFT	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
01/18/2018	35,087	FINAL DRIVE REAR RIGHT	Monitor	ELEVATED IRON MAY BE SOURCED TO BEARINGS, GEARS, SPLINES, SHAFTS, HOUSING, NON-MECHANICAL ORIGIN . RESAMPLE IN 50 HOURS TO MONITOR.
01/18/2018	35,087	HYDRAULIC SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/18/2018	35,087	STEERING SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
01/18/2018	35,087	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
12/19/2017	34,805	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
11/13/2017	34,344	DIFFERENTIAL REAR	Monitor	ELEVATED IRON MAY BE SOURCED TO WEAR OF BRAKES, GEARS, SPLINES, SHAFTS, HOUSING, BEARINGS... RESAMPLE IN 50 HOURS TO MONITOR.
11/07/2017	34,344	DIFFERENTIAL FRONT	No Action Required	DEBRIS FOUND IN OIL BOTTLE, BUT WEAR IS NORMAL. CONTINUE NORMALLY SCHEDULED SAMPLING.
11/07/2017	34,344	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
11/07/2017	34,344	FINAL DRIVE FRONT LEFT	No Action Required	DEBRIS FOUND IN OIL BOTTLE, BUT WEAR IS NORMAL. CONTINUE NORMALLY SCHEDULED SAMPLING.
11/07/2017	34,344	FINAL DRIVE FRONT RIGHT	No Action Required	DEBRIS FOUND IN OIL BOTTLE, BUT WEAR IS NORMAL. CONTINUE NORMALLY SCHEDULED SAMPLING.
11/07/2017	34,344	FINAL DRIVE REAR LEFT	Monitor	ELEVATED IRON MAY BE SOURCED TO WEAR OF BRAKES, GEARS, SPLINES, SHAFTS, HOUSING, BEARINGS... RESAMPLE IN 50 HOURS TO MONITOR.
11/07/2017	34,344	FINAL DRIVE REAR RIGHT	Monitor	ELEVATED IRON MAY BE SOURCED TO WEAR OF BRAKES, GEARS, SPLINES, SHAFTS, HOUSING, BEARINGS... RESAMPLE IN 50 HOURS TO MONITOR.
11/07/2017	36,344	HYDRAULIC SYSTEM	No Action Required	DEBRIS FOUND IN OIL BOTTLE, BUT WEAR IS NORMAL. CONTINUE NORMALLY SCHEDULED SAMPLING.
11/07/2017	36,344	STEERING SYSTEM	No Action Required	DEBRIS FOUND IN OIL BOTTLE, BUT WEAR IS NORMAL. CONTINUE NORMALLY SCHEDULED SAMPLING.
11/07/2017	36,344	TRANSMISSION	No Action Required	DEBRIS FOUND IN OIL BOTTLE, BUT WEAR IS NORMAL. CONTINUE NORMALLY SCHEDULED SAMPLING.
10/11/2017	34,004	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	DIFFERENTIAL FRONT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	DIFFERENTIAL REAR	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	ENGINE	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	FINAL DRIVE FRONT LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	FINAL DRIVE FRONT RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	FINAL DRIVE REAR LEFT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	FINAL DRIVE REAR RIGHT	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	HYDRAULIC SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
09/16/2017	33,685	STEERING SYSTEM	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

09/16/2017	33,685	TRANSMISSION	No Action Required	NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.
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Configuration

Configuration Code	Price List	Description
3082233	MAC1	LIFT, HIGH
3074380	MAC1	AUTOLUBE ARRANGEMENT
2753437	MAC1	SOFTWARE, ADVISOR
MISC001	993K	SOS KIT
MISC001	993K	SOS KIT
2444022	MAC1	LIGHTING, PREMIUM
2490869	MAC1	CAB, RUBBER MOUNTED GLASS
2394045	MAC1	SEAT, STD
2508584	MAC1	MIRROR, STANDARD
2508605	MAC1	ICTC ARRANGEMENT
2459772	MAC1	ENGINE, STANDARD
2485296	MAC1	FUEL AR, FAST FILL
3082235	MAC1	COOLING, STANDARD AMBIENT
3077417	MAC1	SERVICE CENTER, DELUXE
2753445	MAC1	SOFTWARE, MESSENGER
2508592	MAC1	STEP, REAR ACCESS
3082240	MAC1	STEERING, SECONDARY
2788045	MAC1	INSTRUCTION,NORTH AMERICA ANSI
0P3380	MAC1	INSTRUCTIONS, ENGLISH
2542445	MAC1	CAMERA, REAR VISION-WAVES
2508379	MAC1	CONVERTOR, POWER
2532527	MAC1	PRODUCT LINK, N.A. (ANSI)
2881744	MAC1	RADIO, AM/FM, CD BASIC
2386475	MAC1	HEATER, ENGINE COOLANT, 120V
3112443	MAC1	TIRES, 50/65R51 ** VSDL BS L5
2508587	MAC1	OIL RENEWAL SYSTEM (ORS)
3230080	MAC1	BUCKET-ROCK, 207", 17.0 CYD
2320077	MAC1	TIP, HEAVY PENETRATION
0P5203	MAC1	EMA
2673667	MAC1	PAINT, BLACK - BUCKET REAR
0P6347	MAC1	PACK, DOMESTIC TRUCK, UNPINNED
2459772	MAC1	ENGINE
MISC001	MAC1	SOS KIT
3082233		LIFT, HIGH
3082233		LIFT, HIGH
3077420		993K WHEEL LOADER
3077420		993K WHEEL LOADER
3074380		AUTOLUBE ARRANGEMENT
3074380		AUTOLUBE ARRANGEMENT
2753437		SOFTWARE, ADVISOR
2753437		SOFTWARE, ADVISOR
2444022		LIGHTING, PREMIUM
2444022		LIGHTING, PREMIUM
2490869		CAB, RUBBER MOUNTED GLASS
2490869		CAB, RUBBER MOUNTED GLASS
2394045		SEAT, STD
2394045		SEAT, STD
2508584		MIRROR, STANDARD

2508584		MIRROR, STANDARD
2508605		ICTC ARRANGEMENT
2508605		ICTC ARRANGEMENT
2459772		ENGINE, STANDARD
2459772		ENGINE, STANDARD
2485296		FUEL AR, FAST FILL
2485296		FUEL AR, FAST FILL
3082235		COOLING, STANDARD AMBIENT
3082235		COOLING, STANDARD AMBIENT
3077417		SERVICE CENTER, DELUXE
3077417		SERVICE CENTER, DELUXE
2753445		SOFTWARE, MESSENGER
2753445		SOFTWARE, MESSENGER
2508592		STEP, REAR ACCESS
2508592		STEP, REAR ACCESS
3082240		STEERING, SECONDARY
3082240		STEERING, SECONDARY
2788045		INSTRUCTION,NORTH AMERICA ANSI
2788045		INSTRUCTION,NORTH AMERICA ANSI
0P3380		INSTRUCTIONS, ENGLISH
0P3380		INSTRUCTIONS, ENGLISH
2542445		CAMERA, REAR VISION-WAVES
2542445		CAMERA, REAR VISION-WAVES
2508379		CONVERTOR, POWER
2508379		CONVERTOR, POWER
2532527		PRODUCT LINK, N.A. (ANSI)
2532527		PRODUCT LINK, N.A. (ANSI)
2881744		RADIO, AM/FM, CD BASIC
2881744		RADIO, AM/FM, CD BASIC
2386475		HEATER, ENGINE COOLANT, 120V
2386475		HEATER, ENGINE COOLANT, 120V
3112443		TIRES, 50/65R51 ** VSDL BS L5
3112443		TIRES, 50/65R51 ** VSDL BS L5
2508587		OIL RENEWAL SYSTEM (ORS)
2508587		OIL RENEWAL SYSTEM (ORS)
3230080		BUCKET-ROCK, 207", 17.0 CYD
3230080		BUCKET-ROCK, 207", 17.0 CYD
2320077		TIP, HEAVY PENETRATION
2320077		TIP, HEAVY PENETRATION
0P5203		EMA
0P5203		EMA
2673667		PAINT, BLACK - BUCKET REAR
2673667		PAINT, BLACK - BUCKET REAR
0P6347		PACK, DOMESTIC TRUCK, UNPINNED
0P6347		PACK, DOMESTIC TRUCK, UNPINNED
2459772		ENGINE
2459772		ENGINE
MISC 001		SOS KIT
MISC 001		SOS KIT

After Order Configuration

Date	Description	Repair Cost	Notes
07/10/2020	INSTALL TORQUE CONVERTER	\$2,002.64	

