

14H Motor Graders, 2007
SN: 0ASE02482

Current Hours (SMU): 11986
Sale Date: 08/21/2007

Delivery Date: 08/21/2007

Service History

Service Date	Invoice Type	Hours	Description	Service Notes
08/14/2007	Service	4		
08/14/2007	Service	4	PREDELIVER MACHINE	
08/14/2007	Service	4	PREDELIVER MACHINE	
08/14/2007	Service	4	PREDELIVER MACHINE	
08/14/2007	Service	4	INSTALL RADIO (AM/FM)	
08/14/2007	Service	4	PERFORM SERVICE ON MACHINE	
08/22/2007	Service	41		
08/22/2007	Service	41	REPAIR IMPLEMENT CONTROL LINKAGE	CUSTOMER COMPLAINT: CONTROLS ARE SLOPPY. CAUSE OF FAILURE: BEARING MISSING. REPAIR COMMENTS: DISASSEMBLED CONTROLS LINKAGE, INSTALLED BEARINGS AND REASSEMBLED.
08/22/2007	Service	41	TRAVEL TO/FROM	
08/22/2007	Service	41	REPAIR IMPLEMENT CONTROL LINKAGE	CUSTOMER COMPLAINT: CONTROLS ARE SLOPPY. CAUSE OF FAILURE: BEARING MISSING. REPAIR COMMENTS: DISASSEMBLED CONTROLS LINKAGE, INSTALLED BEARINGS AND REASSEMBLED.
08/22/2007	Service	41	TRAVEL TO/FROM	
01/28/2008	Service	512	REVISIT MACHINE	
01/28/2008	Service	512	TRAVEL TO/FROM	
01/28/2008	Service	512	REVISIT MACHINE	
01/28/2008	Service	512	REVISIT MACHINE	
01/28/2008	Service	512	REVISIT MACHINE	
01/28/2008	Service	512	TRAVEL TO/FROM	
06/03/2008	Service	0	PRODUCT PROGRAM UPDATE WORK RELATED INJURY	UPGRADE OPERATING SYSTEM ON CB430 TO VER 10.8
06/03/2008	Service	0	PRODUCT PROGRAM UPDATE WORK RELATED INJURY	UPGRADE OPERATING SYSTEM ON CB430 TO VER 10.8
07/22/2008	Service	900		
07/22/2008	Service	900	REPAIR FOR WARRANTY: HYDRAULIC CONTROL VALVE	HYD. CONTROL LEAKING IN CAB YY CUSTOMER COMPLAINT: HYD OIL LEAK UNDER THE CAB AROUND THE LEFT SIDE CONTROL VALVE GROUP. CAUSE OF FAILURE: BROKEN PLUG ON THE SIDE SHIFT CONTROL VALVE. RESULTANT DAMAGE: LEAKS HYDRAULIC OIL WHEN SIDE SHIFT CONTROL LEVER IS MOVED. REPAIR PROCESS COMMENTS: TROUBLE SHOOT THE OIL LEAK, REMOVED THE ACCESS PANEL INSIDE THE CAB AND REMOVED THE LEFT SIDE CONTROL VALVE GROUP, DRILLED PILOT HOLE IN BROKEN PLUG AND USED A SCREW EXTRACTOR TO REMOVE THE BROKEN PLUG, REPLACED THE SPRING, PLUG AND O RING SEAL WITH NEW, REASSEMBLED THE MACHINE AND CHECKED FOR OPERATION AND LEAKS ALL APPEARS TO BE WORKING FINE AGAIN, CONTACTED THE CUSTOMER AND LET THEM KNOW THE MACHINE WAS REPAIRED AND READY TO GO BACK TO WORK. (NOTE I HAD THE PARTS HOT SHOT TO ME) RETURNED DAMAGED PLUG THE WARRANTY DEPARTMENT FOR A POSSIBLE CUSTOMER CREDIT.
07/22/2008	Service	900	TRAVEL TO/FROM MACHINE	TRAVEL REDWOOD ON CAMP WILLIAMS
07/22/2008	Service	900	REPAIR FOR WARRANTY: HYDRAULIC CONTROL VALVE	HYD. CONTROL LEAKING IN CAB YY CUSTOMER COMPLAINT: HYD OIL LEAK UNDER THE CAB AROUND THE LEFT SIDE CONTROL VALVE GROUP. CAUSE OF FAILURE: BROKEN PLUG ON THE SIDE SHIFT CONTROL VALVE. RESULTANT DAMAGE: LEAKS HYDRAULIC OIL WHEN SIDE SHIFT CONTROL LEVER IS MOVED. REPAIR PROCESS COMMENTS: TROUBLE SHOOT THE OIL LEAK, REMOVED THE ACCESS PANEL INSIDE THE CAB AND REMOVED THE LEFT SIDE CONTROL VALVE GROUP, DRILLED PILOT HOLE IN BROKEN PLUG AND USED A SCREW EXTRACTOR TO REMOVE THE BROKEN PLUG, REPLACED THE SPRING, PLUG AND O RING SEAL WITH NEW, REASSEMBLED THE MACHINE AND CHECKED FOR OPERATION AND LEAKS ALL APPEARS TO BE WORKING FINE AGAIN, CONTACTED THE CUSTOMER AND LET THEM KNOW THE MACHINE WAS REPAIRED AND READY TO GO BACK TO WORK. (NOTE I HAD THE PARTS HOT SHOT TO ME) RETURNED DAMAGED PLUG THE WARRANTY DEPARTMENT FOR A POSSIBLE CUSTOMER CREDIT.
07/22/2008	Service	900	TRAVEL TO/FROM MACHINE	TRAVEL REDWOOD ON CAMP WILLIAMS
01/20/2009	Service	0		

01/20/2009	Service	0	RECONDITION/OVERHAUL STEERING CYLINDER	CUSTOMER COMPLAINT: LEAKS CAUSE OF FAILURE: THE ROD IS BENT 1/4". RESULTANT DAMAGE: SEALS DAMAGED DUE TO BENT ROD. THE ROD EYE AND BARREL BEARINGS ARE WORN AND RUSTED. - MEASUREMENTS - ROD - 2.0" X 20" BARREL - BORE - 4.001" X 4.000 SEAL ARE - 4.218" X 4.219" REPAIR PROCESS COMMENTS: WE HONED THE BARREL, WE MACH. THE HEAD FOR A SNAP RING, WE REPLACED THE ROD WITH AN OR3068. ALL SEALS, AND BARREL BEARING.. TESTED OK...
01/22/2009	Service	10718	PERFORM PRODUCT IMPROVEMENT PROG.	CUSTOMER COMPLAINT: UP DATE MACHINE PI10718 REPAIR PROCESS COMMENTS: REMOVED TRANSMISSION SHIFTER CONSOLE. DRILLED NEW HOLES IN FLOOR AND MOUNT. INSTALLED FITTINGS IN NEW PARK BRAKE VALVE. INSTALLED NEW PARK BRAKE VALVE. REMOVED ONE OLD AIR LINE GOING FROM THE OLD PARK BRAKE VALVE. INSTALLED TWO NEW AIR LINES GOING FROM OLD VALVE TO THE NEW VALVE. INSTALLED WARNING LIGHT RELAY UNDER CAB. WIRED WARNING LIGHT RELAY. INSTALLED WARNING LIGHT IN SHIFTER CONSOLE. INSTALLED CONSOLE. STARTED MACHINE AND CHECKED FOR PROPER OPERATION OF THE PARKING BRAKE VALVES. INSTALLED NEW OPERATION MANUAL IN SEAT.
01/22/2009	Service	10718	TRAVEL TO/FROM	CUSTOMER COMPLAINT: TRAVEL TO AND FROM MACHINE REPAIR PROCESS COMMENTS: TRAVELED TO AND FROM MACHINE.
01/22/2009	Service	10718	PERFORM PRODUCT IMPROVEMENT PROG.	CUSTOMER COMPLAINT: UP DATE MACHINE PI10718 REPAIR PROCESS COMMENTS: REMOVED TRANSMISSION SHIFTER CONSOLE. DRILLED NEW HOLES IN FLOOR AND MOUNT. INSTALLED FITTINGS IN NEW PARK BRAKE VALVE. INSTALLED NEW PARK BRAKE VALVE. REMOVED ONE OLD AIR LINE GOING FROM THE OLD PARK BRAKE VALVE. INSTALLED TWO NEW AIR LINES GOING FROM OLD VALVE TO THE NEW VALVE. INSTALLED WARNING LIGHT RELAY UNDER CAB. WIRED WARNING LIGHT RELAY. INSTALLED WARNING LIGHT IN SHIFTER CONSOLE. INSTALLED CONSOLE. STARTED MACHINE AND CHECKED FOR PROPER OPERATION OF THE PARKING BRAKE VALVES. INSTALLED NEW OPERATION MANUAL IN SEAT.
01/22/2009	Service	10718	TRAVEL TO/FROM	CUSTOMER COMPLAINT: TRAVEL TO AND FROM MACHINE REPAIR PROCESS COMMENTS: TRAVELED TO AND FROM MACHINE.
03/11/2009	Service	0		
03/11/2009	Service	0	RECONDITION/OVERHAUL SIDESHIFT CYLINDER	CAUSE OF FAILURE: THE ROD HAS DEEP PITTING AND GOUGES. RESULTANT DAMAGE: THE HEAD SEALS WORN AND CUT, THE PISTON SEALS WORN. BARREL MEASURES 4.004*4.004 8 INCHES IN BARREL O-RING/BACKUP AREA 4.217*4.217 ROD 2.5*66 REPAIR PROCESS COMMENTS: HONED THE BARREL RE MEASURED AT 4.005*4.005, REPLACED THE ROD WITH OR 8302, CLEANED THE HEAD, BARREL, ROD, AND PISTON, RESEALED AND ASSEMBLED THE ROD PACK, TORQUED THE BOLT TO SPEC, ASSEMBLED THE CYLINDER, TORQUED THE HEAD, TESTED AT 3000 PSI AND PASSED, CODED, PAINTED AND SET OUT FOR PICK UP, BUILT BY SH 3-09
08/09/2010	Service	3867	REPAIR CIRCLE ASSEMBLY	CUSTOMER COMPLAINT: CIRCLE ASSEMBLY AND MOW BOARD SLIDES NEED ADJUSTED. HYDRAULIC OIL LEAKING FROM LEFT AND RIGHT HAND IMPLEMENT VALVES. CAUSE OF FAILURE: HYDRAULIC OIL LEAKS ARE FROM BLADE LIFT CONTROL LINKAGE BOTH SIDES. RESULTANT DAMAGE: EXTERNAL HYDRAULIC OIL LEAKING. REPAIR PROCESS COMMENTS: I RESEALED THE RIGHT HAND BLADE LIFT VALVE AND REPLACED MOW BOARD SLIDE BRASS ON MOW BOARD. I RETURNED ANOTHER DAY TO COMPLETE THE JOB BUT THEY COULDN'T GIVE THE MACHINE UP LONG ENOUGH FOR REPAIRS. I WENT BACK ANOTHER DAY AND COMPLETED REPAIRS BY REPLACING THE WORN CIRCLE PINION DRIVE AND REMOVING SHIMS ON CIRCLE SHOES TO TIGHTEN THE CIRCLE ASSEMBLY. I ALSO RESEALED THE LEFT HAND BLADE LIFT CONTROL LINKAGE THAT WAS LEAKING.
08/09/2010	Service	3867	TRAVEL TO/FROM	
09/28/2011	Service	5108	REPAIR HYDRAULIC CONTROL VALVE	CUSTOMER COMPLAINT: SEVERAL OF THE IMPLEMENT FUNCTIONS ARE VERY SLOW AND OPERATOR IS COMPLAINING OF SLOW HYDRAULICS. CAUSE OF FAILURE: THE SEATS IN THE SIGNAL PRESSURE CHECK VALVES ARE DAMAGED. RESULTANT DAMAGE: LOW SIGNAL PRESSURE TO IMPLEMENT PUMP. REPAIR PROCESS COMMENTS: TRAVEL TO MACHINE LOCATION, TEST IMPLEMENT SPEEDS. THE IMPLEMENT'S ARE VERY SLOW. TEST SIGNAL PRESSURE AT PUMP COMPENSATOR. THE SIGNAL PRESSURES ARE VERY LOW. WHEN TWO FUNCTIONS ARE ACTIVE, THE SPEEDS INCREASE. THE CHECK VALVE SEATS ARE NOT ABLE TO BE REPAIRED. ORDER ALL NEW VALVE SECTIONS. DRAIN HYDRAULIC TANK REMOVE THE IMPLEMENT VALVES AND INSTALL ALL NEW VALVE SECTIONS. FILL TANK WITH OIL. ALL THE IMPLEMENT FUNCTIONS ARE FAST NOW AND THE SIGNAL PRESSURES FOR EACH FUNCTION ARE CORRECT. CLEAN UP, COMPLETE SERVICE REPORT.
09/28/2011	Service	5108	TRAVEL TO/FROM	
09/28/2011	Service	5108		FIELD SERVICE LABOR AND TRAVEL DISCOUNTS
08/24/2012	Service	6370	ADJUST TRANSMISSION	ADJUST TRANS CONTROLS
08/24/2012	Service	6370	TRAVEL TO/FROM	TRAVEL
08/24/2012	Service	6370		LABOR DISCOUNT
04/30/2013	Service	0	RESEAL CIRCLE REVERSE GEAR BOX	
04/30/2013	Service	0	REPLACE PARKING BRAKE CONTROL	
04/30/2013	Service	0	REPAIR TRANSMISSION	

04/30/2013	Service	0	REPAIR NON-ROPS CAB	
04/30/2013	Service	0	TRAVEL TO/FROM	
06/18/2013	Service	6917	INSTALL WORK RELATED INJURY	SNM940 INSTALL ON 14H S/N ASE02482 27-2037 QUOTE 014-13DC REPAIR PROCESS COMMENTS: INSTALLED AN SNM940
05/22/2014	Service	0	REPAIR WORK RELATED INJURY	UPDATE SYSTEM FOR SNM940 REPLACE CONTROL BOX HARNESS 87336 REPAIR PROCESS COMMENTS: CHANGED THE DISPLAY WIRING HARNESS AND REROUTED THE SNM 940 WIRING THE SET UP THE DISPLAY FOR WIRELESS COMMUNICATION TESTED GOOD AT THIS TIME.
06/25/2014	Service	7834	REPAIR CIRCLE ASSEMBLY	CUSTOMER COMPLAINT: REPAIR CIRCLE REPAIR PROCESS COMMENTS: INSPECTED MACHINE AND FOUND THE CIRCLE DRIVE PINION HAD BAD TEETH AND WASN'T ABLE TO TURN THE CIRCLE CORRECTLY. REMOVED ALL CIRCLE RETAINERS AND CIRCLE DRIVE. REPLACED CIRCLE DRIVE PINION AND DUO CONE SEAL. REPLACED ALL THRUST PADS IN CIRCLE. REPLACED BLADE THRUST BRASS. ADJUSTED CIRCLE AND BLADE AFTER EVERYTHING WAS TOGETHER AND CHECKED THE FULL OPERATION OF CIRCLE AND BLADE.
06/25/2014	Service	7834	REPAIR AIR CONDITIONER	CUSTOMER COMPLAINT: REPAIR A/C REPAIR PROCESS COMMENTS: DROVE TO MACHINE LOCATION, INSPECTED A/C SYSTEM. CONNECTED TOOLING TO SYSTEM, MONITORED SYSTEM IN OPERATION. CLEANED CAB AIR FILTER, CHECKED CONDESOR FOR DEBRIS. PRESSURES WITH IN SPEC WITH AMIBENT TEMP, NO PROBLEMS FOUND AT THIS TIME. DONE CUSTOMER COMPLAINT: A/C NOT WORKING. REPAIR PROCESS COMMENTS: DROVE TO MACHINE LOCATION, INSPECTED A/C SYSTEM. CONNECTED TOOLING TO SYSTEM, MONITORED SYSTEM IN OPERATION. CLEANED CAB AIR FILTER, CHECKED CONDESOR FOR DEBRIS. PRESSURES WITH IN SPEC WITH AMIBENT TEMP, NO PROBLEMS FOUND AT THIS TIME. DONE
06/25/2014	Service	7834	TRAVEL TO/FROM	
06/25/2014	Service	7834		
07/23/2014	Service	7868	REPAIR WORK RELATED INJURY	UPDATE ROTATION SENSOR MOUNTING CUSTOMER COMPLAINT: N/A CAUSE OF FAILURE: N/A RESULTANT DAMAGE: N/A REPAIR PROCESS COMMENTS: PERFORM CAT ROTATION SENSOR UPGRADE.
03/18/2015	Service	0	INSTALL PRODUCT LINK SYSTEM 321	CUSTOMER COMPLAINT: INSTALL PRODUCT LINK REPAIR PROCESS COMMENTS: INSTALLED ALL PRODUCT LINK COMPONENTS ON MACHINE. FLASHED ECM WITH THE MOST UP TO DATE SOFTWARE. MADE SURE THIS MACHINE WAS SHOWING ON VISION LINK LIKE IT SHOULD.
03/18/2015	Service	0	TRAVEL TO/FROM	
03/18/2015	Service	0		
04/15/2015	Service	8420	REPAIR HYDRAULIC CONTROL VALVE	CUSTOMER COMPLAINT: REPAIR LEAKING CONTROL VALVES. REPAIR PROCESS COMMENTS: REMOVED CAB FLOOR MAT AND REMOVED BOTH CONTROL VALVES FROM MACHINE. DISASSEMBLED VALVES COMPLETE. INSTALLED NEW SEAL PLATES AND ASSEMBLES VALVES. INSTALLED VALVES BACK INTO MACHINE. ADJUSTED LINKAGES AND RAN MACHINE. MACHINE RAN LIKE IT SHOULD WITH NO FURTHER LEAKS AT THIS TIME. REPLACED CAB FLOOR MAT AND STEERING COLUMN SHOCK.
04/15/2015	Service	8420	TRAVEL TO/FROM	
04/15/2015	Service	8420		
06/09/2015	Service	8570	REPAIR NON-ROPS CAB	43 HOURS AT \$156.00 PER HOUR CUSTOMER COMPLAINT: REPAIR CAB ELECTRICAL AND OIL LEAKS RESULTANT DAMAGE: INSPECTED MACHINE AND MADE THE FOLLOWING REPAIRS. REPLACED AM/FM RADIO. REPLACED THROTTLE LOCK INDICATOR LIGHT IN THE GAUGE CLUSTER. HIGH PRESSURE CLEANED MACHINE COMPLETE. REPLACED THREE TRANSMISSION POSITION SENSORS ON TRANSMISSION. ADJUSTED STEERING COLUMN AND ADJUSTED COLUMN SHOCK. REPAIRED WIRING HARNESS INSIDE STEERING COLUMN. REMOVED LEFT FUEL TANK. RESEALED POWER TRAIN OIL FILTER HOUSING. REMOVED LEFT TANDEM AND RESEALED. INSTALLED TANDEM AND FILLED WITH NEW OIL. INSTALLED FUEL TANK. RAN MACHINE AND FOUND THE POWER TRAIN OIL PUMP RELIEF VALVE WAS LEAKING FROM A STRUCTURAL CRACK. REMOVED LEFT FUEL TANK AGAIN AND REPLACED VALVE USING NEW MOUNTING SEALS AND HARDWARE. INSTALLED NEW PARK BRAKE BUTTON AND CLIMATE CONTROL DECAL. ADJUSTED CIRCLE AND DRAW BAR COMPLETE. BLADE GUIDES WERE GOOD AND DIDN'T NEED ADJUSTMENT.
06/09/2015	Service	8570	TRAVEL TO/FROM	10 HOURS AT \$156.00 PER HOUR
06/09/2015	Service	8570		

02/24/2017	Service	10610	RECONDITION/OVERHAUL BLADE SIDESHIFT CYLINDER	6.5 HOURS AT \$119.00 PER HOUR REF. RO#: SL45975-01 (2012) S/R TAG# SR01034067 ??? REF. RO#: SL45975-01 (2012) S/R TAG# SR01034067 CUSTOMER COMPLAINT: INSPECT BLADE SIDESHIFT CYLINDER. CAUSE OF FAILURE: ROD IS GOUGED. RESULTANT DAMAGE: SEALS ARE WORN. ROD IS GOUGED. ROD IS BENT 0.021" ROD MEASUREMENT: 2.5" X 66" BARREL MEASUREMENT: S/A 4.218" X 4.221" BORE 4.004" X 4.003" REPAIR PROCESS COMMENTS: ON ASSEMBLY, THE HEAD AND PISTON WERE CLEANED AND ASSEMBLED USING NEW SEALS. THE HEAD SEAL WAS REPLACED WITH AND OVERSIZE CUSTOM SEAL. THE ROD WAS REPLACED WITH AN OR ROD. THE HEAD AND PISTON WERE INSTALLED ONTO THE ROD. A NEW BOLT WAS USED TO SECURE THE ROD PACK. THE BARREL WAS HONED AND CLEANED. THE ROD PACK WAS INSTALLED INTO THE BARREL. THE HEAD WAS SECURED TO THE CYLINDER. THE CYLINDER WAS TESTED AT 3200 PSI; NO LEAKS OR BYPASSES WERE FOUND. THE LINES AND FITTINGS WERE RESEALED USING NEW O RINGS AND METAL CAPS BEFORE BEING INSTALLED ONTO T
02/24/2017	Service	10610	RECONDITION/OVERHAUL NON-CAT HYD CYLINDER	5.5 HOURS AT \$119.00 PER HOUR REF. RO#: SL94391-01 S/R TAG# SR01034067 ??? REF. RO#: SL94391-01 S/R TAG# SR01034067 CUSTOMER COMPLAINT: INSPECT HYDRAULIC CYLINDER. CAUSE OF FAILURE: ROD IS BENT 0.075" RESULTANT DAMAGE: SEALS ARE WORN. ROD IS BENT 0.075" BARREL IS LIGHTLY SCRATCHED. BARREL EYE BEARING IS RUSTED AND WORN. ROD MEASUREMENT: 2" X 21" BARREL MEASUREMENT: S/A 4.219" X 4.221" BORE 4.004" X 4.005" REPAIR PROCESS COMMENTS: ON ASSEMBLY, THE HEAD AND PISTON WERE CLEANED AND ASSEMBLED USING NEW SEALS. THE ROD WAS REPLACED WITH AN OR ROD. THE HEAD AND PISTON WERE INSTALLED ONTO THE ROD. A NEW BOLT WAS USED TO SECURE THE ONTO THE ROD. A NEW BOLT WAS USED TO SECURE THE ROD PACK. THE BARREL WAS HONED AND CLEANED. THE BARREL BEARING WAS REMOVED AND REPLACED WITH NEW. THE ROD PACK WAS INSTALLED INTO THE BARREL. THE THE ROD PACK WAS INSTALLED INTO THE BARREL. THE HEAD WAS SECURED TO THE BARREL. THE CYLINDER WAS TESTED AT 3
02/24/2017	Service	10610	TRAVEL TO/FROM	4 HOURS AT \$164.00 PER HOUR
02/24/2017	Service	10610		
02/07/2018	Parts	0		
02/07/2018	Parts	0		
03/12/2018	Parts	0		
03/12/2018	Service	11610	MACHINE/GRIND/MILL NON-CAT HYD CYLINDER	WELD AND MACHINE ROD EYE. REFERENCE SW00263-01
03/12/2018	Service	11610	MACHINE/GRIND/MILL NON-CAT HYD CYLINDER	WELD AND MACHINE ROD EYE FOR 8D7685 BEARING. REFERENCE SW00263-02
03/12/2018	Service	11610	RECONDITION/OVERHAUL STEERING CYLINDER	RECONDITION 1846804 STEERING CYLINDER PREV RO#: SL94391 01-09 (NO OLD CODE NOTED) SHIP CYLINDER TO PUDO WHEN REPAIRS ARE COMPLETED. MIKE MCCORMICK TO DELIVER BACK TO THE CUSTOMER. MIKE MCCORMICK TO DELIVER BACK TO THE CUSTOMER.D.. CUSTOMER COMPLAINT: RECONDITION STEERING CYLINDER. CAUSE OF FAILURE: ROD IS SCRATCHED. RESULTANT DAMAGE: ROD EYE WORN. HEAD SEALS WORN. PISTON SEALS WORN. BARREL EYE WORN. CORRECTION: ON ASSEMBLY, THE BARREL WAS HONED AND CLEANED. THE BARREL EYE BEARING WAS REPLACED. THE ROD EYE WAS WELDED AND MACHINED BACK TO SPEC. THE ROD EYE BEARING WAS REPLACED. THE ROD WAS RE-CHROMED. THE HEAD AND PISTON WERE CLEANED AND BLOWN OUT. ALL SEALS WERE REPLACED. THE ROD PACK WAS ASSEMBLED USING NEW BOLT AND WASHER FOR THE PISTON. THE CYLINDER WAS ASSEMBLED AND TESTED TO 3200 PSI. TESTED GOOD. THE HYDRAULIC FITTINGS WERE CLEANED AND BLOWN OUT. THE O-RINGS WERE REPLACED AND THEY WERE ASSEMBLED TO THE CYLINDER AND CAPPED USING METAL ORFS CAPS. THE DUST SEALS FOR THE B
03/12/2018	Service	11610	RECONDITION/OVERHAUL STEERING CYLINDER	RECONDITION 1846804 STEERING CYLINDER PREV RO#: SL94391 01-09 (NO OLD CODE NOTED) SHIP CYLINDER TO PUDO WHEN REPAIRS ARE COMPLETED. MIKE MCCORMICK TO DELIVER BACK TO THE CUSTOMER. MIKE MCCORMICK TO DELIVER BACK TO THE CUSTOMER.D.E CUSTOMER COMPLAINT: RECONDITION STEERING CYLINDER. CAUSE OF FAILURE: ROD IS SCRATCHED. RESULTANT DAMAGE: ROD EYE WORN. HEAD SEALS WORN. PISTON SEALS WORN. BARREL EYE WORN. THE BARREL GOUGED AND DAMAGED. CORRECTION: ON ASSEMBLY, THE BARREL WAS REPLACED WITH NEW (6E-4725). THE ROD EYE WAS WELDED AND MACHINED BACK TO SPEC. THE ROD EYE BEARING WAS REPLACED. THE ROD WAS RE-CHROMED. THE HEAD AND PISTON WERE CLEANED AND BLOWN OUT. ALL SEALS WERE REPLACED. THE ROD PACK WAS ASSEMBLED USING NEW BOLT AND WASHER FOR THE PISTON. THE CYLINDER WAS ASSEMBLED AND TESTED TO 3200 PSI. TESTED GOOD. THE HYDRAULIC FITTINGS WERE CLEANED AND BLOWN OUT. THE O-RINGS WERE REPLACED AND THEY WERE ASSEMBLED TO THE CYLINDER AND CAPPED USING METAL ORFS CAPS. THE DUST SEALS FOR
03/12/2018	Service	11610	MACHINE/GRIND/MILL NON-CAT HYD CYLINDER	
03/12/2018	Service	11610	MACHINE/GRIND/MILL NON-CAT HYD CYLINDER	

03/18/2019	Service	12425	REPAIR TRANSMISSION & DRIVE LINE	107.41 HRS @ \$167.50 ?? CUSTOMER COMPLAINT: REPAIR OIL LEAKS CAUSE OF FAILURE: RESULTANT DAMAGE: CORRECTION: INSPECTED THE MACHINE AND ALL FLUID LEVELS. A FEW OIL LEAKS WERE SEEN BUT THEY WERE A BIT DIFFICULT TO IDENTIFY THE EXACT LOCATION. THE HYDRAULIC TANK HAD TO BE TOPPED OFF BEFORE STARTING THE MACHINE. OPERATED THE MACHINE AROUND THE CUSTOMER'S MINE SITE TRYING TO WARM ALL OF THE FLUIDS. RE-INSPECTED THE MACHINE ONCE WARMED UP, THIS TIME THE LEAKS COULD CLEARLY BE IDENTIFIED. ONE PILOT LINE ON THE LEFT VALVE BANK WAS LEAKING. THE TRANSMISSION OUTPUT GEAR MOUNTING WAS LEAKING. THE TOP RADIATOR LINE WAS ALSO LEAKING COOLANT. CONVERSED WITH THE CUSTOMER ABOUT THE FINDINGS. THE CUSTOMER REQUESTED ALL LEAKS BE REPAIRED AS NEEDED. ORDERED A NEW PILOT LINE AND REPLACED WHEN IT ARRIVED. ALSO RESEALED SEVERAL O RING BOSS FITTINGS ON THE LEFT PILOT VALVE. REMOVED THE ENGINE SIDE COVERS AND ENGINE HOOD. DRAINED THE COOLANT FROM THE COOLING SYS
03/18/2019	Service	12425	REPAIR CIRCLE ASSEMBLY	6.56 HRS @ \$167.50 ?? CUSTOMER COMPLAINT: REPAIR CIRCLE CAUSE OF FAILURE: RESULTANT DAMAGE: CORRECTION: OPERATED THE MACHINE PAYING CLOSE ATTENTION TO THE CIRCLE AND BLADE MOVEMENT. THE CIRCLE AND BLADE WERE OBSERVED MOVING MORE THAN NORMAL. PARKED THE MACHINE IN A FLAT AREA OUT OF THE WAY IN THE CUSTOMERS YARD. INSTALLED A JACK STAND UNDER THE CIRCLE. RE SHIMMED AND ADJUSTED THE COMPLETE CIRCLE. LUBRICATED THE WEAR PADS AND SHOES OF THE CIRCLE. REPLACED ALL OF THE BLADE BRASS GUIDES AND ADJUSTING SHIMS.
03/18/2019	Service	12425	RECONDITION/OVERHAUL USE CODE 3030	RECONDITION TRANSMISSION COMP S/N: BSS02829 COMP A/N: 1836614 PREV RO: NONE WARRANTY: 3YRS OR 5000HRS ??? CUSTOMER COMPLAINT: RECONDITION. CAUSE OF FAILURE: NO CAUSE OF FAILURE FOUND. RESULTANT DAMAGE: FOUND THAT THE PARK BRAKE PLATES WERE BURNT. ONE OF THE SPRINGS IN THE TRANS CLUTCH WAS BENT. THE VALVE HOUSING LOOKED LIKE IT HAD THE TUBE FORCED BACK INTO IT, CAUSING IT TO CRACK. CORRECTION: DISASSEMBLED TRANSMISSION THAT WAS PARTIALLY TORN DOWN. 3580-DISASSEMBLED, CLEANED AND INSPECTED VALVE. UPON INSPECTION NO MAJOR DAMAGE, HOWEVER WEAR TO THE LOWER VALVE SECTION(SPEED/DIFFERENTIAL/MODULATION) WAS FOUND. THE VALVE GROUP WAS REASSEMBLED WITH NEW SPRING, NECESSARY SPOOLS, WORN VALVE SECTION AND SEALS. UPON COMPLETION OF ASSEMBLY THE VALVE WAS INSTALLED ON THE VALVE BENCH TO VERIFY OPERATION, MEASURE LEAKAGE AND RECORD PRESSURES. OPERATION WAS NORMAL, LEAKAGE WAS WITHIN RANGE AND PRESSURES WERE ADJUSTED INTO SPEC. PREPPED FOR INSTALL
03/18/2019	Service	12425	RECONDITION/OVERHAUL TRANSMISSION OIL PUMP	CUSTOMER COMPLAINT: Recondition transmission pump. CAUSE OF FAILURE: P.C.R. RESULTANT DAMAGE: Upon disassembly of the transmission pump found erosion in the gear teeth of the drive and idler gears, bushings show light abrasive wear and the seals were beginning to compress. CORRECTION: REPLACED THE DRIVE AND IDLER GEARS WITH NEW. REASSEMBLED THE PUMP USING ALL NEW SEALS AND BEARINGS. PUMP SPINS FREELY BY HAND. CODED THE PUMP (W.S.) AND ATTACHED INSTALL SEALS. DROPPED PUMP OFF TO THE TRANS DEPT FOR INSTALL.
03/18/2019	Service	12425	TRAVEL TO/FROM	12.45 HRS @ \$167.50
03/18/2019	Service	12425		
05/10/2019	Service	12506		
06/15/2020	Service	14013	REPAIR MACHINE	CUSTOMER COMPLAINT: AIR LEAK CAUSE OF FAILURE: GOVERNOR LEAKS RESULTANT DAMAGE: DROPS AIR PRESSURE CORRECTION: 5-28-20 MAX- STARTED MACHINE AND BUILT UP AIR. SHUT MACHINE DOWN AND COULD HEAR AIR COMING FROM THE DRYER AREA, GOVERNOR WAS LEAKING. INSTALLED NEW GOVERNOR AND ONE HOSE, CHECKED FOR LEAKS.
06/04/2022	Service	0	CYLINDER HEAD ASSEMBLY	
08/30/2022	Service	16407	INSTALL WEAR PLATE	INSTALL LINER ON MOLDBOARD. ??? CLEANED OFF BLADE AND INSTALLED NEW WEAR PLATE BUILT UP WELD ON BACK SIDE BOTTOM BOLT HOLES GROUND BUILD UP ON BOLT HOLE FOR CLEAN SURFACE REINSTALLED BOLTS
03/20/2023	Service	17033	INSPECT MACHINE	4.9 HRS @ \$203.25 ?? CUSTOMER COMPLAINT: INSPECT FOR REPAIR CAUSE OF FAILURE: NONE RESULTANT DAMAGE: NONE CORRECTION: I WAS INSTRUCTED TO INSPECT FOR REPAIRS. HOOKED UP CAT ET AND CHECKED THE ENGINE AND FOUND THAT IT HAD SOME WEAK INJECTORS I CHECKED FOR CODES AND FOUND NO CODES PRESENT AT THIS TIME. I FOUND MULTIPLE HYDRAULIC OIL LEAKS AT THE CONTROL VALVE AREA AND AROUND THE HITCH AREA I ALSO FOUND THAT THE CIRCLE GEAR IS WORN AND LOOSE BADLY. I REMOVED THE TRANS & DIFF SCREEN AND FOUND NO DEBRIS IN THE SCREEN. COMPLICATIONS:
03/20/2023	Service	17033		
04/28/2023	Service	17035	REMOVE AND INSTALL CIRCLE SEGMENT	REMOVE 3 CIRCLE SEGMENTS AND INSTALL NEW ONES. ??? REMOVE 3 CIRCLE SEGMENTS AND INSTALL NEW ONES. CUSTOMER COMPLAINT: CAUSE OF FAILURE: RESULTANT DAMAGE: CORRECTION: COMPLICATIONS: SEGMENT GAUGE WASNT A PERFECT FIT. REMOVED SEGMENTS. FIT UP AS PER GAUGE WITH PROPER SPACING. WELDED. BLEND GROUND.

