

User: H070**Catalog #: 401839****D10R Track Type Tractors, 1998****Current Hours (SMU): 0****SN: 03KR01077****Sale Date: 05/31/1998****Delivery Date: Unknown****Service History**

Service Date	Invoice Type	Hours	Description	Service Notes
01/31/2006	Service	1651414	START-UP AND SITE TEST FINAL DRIVE(S)	<p>WAS INFORMED BY MY SUPERVISOR THAT THE MACHINE'S BRAKES HAD BEEN ASSEMBLED WRONG. DROVE TWENTY MILES TO GET BRACKET TO REMOVE THE FINALS. RMOVED FIRST SEGMENT FROM EACH FINAL AND INSTALLED BRACKET. REMOVED AXLES AND BOLTS. REMOVED FINALS AND SWAPPED BRAKES FOR ANOTHER SET AND REINSTALLED FINALS AND BRAKES. TORQUED BOLTS BACK TO SPECS.</p>
01/31/2006	Service	1651414	UNLOAD MACHINE MACHINE	
01/31/2006	Service	1651414	REPAIR NON-ROPS CAB	
01/31/2006	Service	1651414	CLEAN. MACHINE	<p>THIS INCLUDES CLEANNING THE MACHINE & R&I OF ALL GUARDS & ENCLOSURES</p>
01/31/2006	Service	1651414	START-UP AND SITE TEST RIPPER	<p>REMOVED LINES FROM CYLINDERS AND CAPPED. REMOVED PINS AND CYLINDERS. REMOVED PIN PULLER ASSEMBLY AND SHANK PIN. INSTALLED NEW SHANK PIN AND INSTALLED PROPER LINK PINS IN PIN PULLER LINKAGE. REMOVED SHANK CARRIER AND RIPPER BASE. REPLACED ALL PINS AND INSTALLED NEW BEARINGS AND SEALS IN CYLINDERS.</p>
01/31/2006	Service	1651414	START-UP AND SITE TEST ENGINE AND TRANSMISSION	<p>REMOVED DRIVE LINE AND AXLES. REMOVED RIPPER VALVE AND UNBOLTED AND REMOVED TRANSMISSION. DISCONNECTED LINES AND FITTINGS FROM TORQUE TO CASE. REMOVED HYDRAULIC LINES FROM PUMPS AND DISCONNECTED ELECTRICAL FROM ENGINE. THE RIGHT REAR CLAMP ON ENGINE WAS MISSING. THE LEFT SIDE CLAMP WAS THERE, BUT WAS LOOSE AND DAMAGED. THE REAR ENGINE LIFT BRACKET WAS MISSING. ORDERED BRACKET AND INSTALLED. REMOVED LEFT SIDE EXHAUST AND HEAT SHIELDS. REMOVED AIR CLEANER AND FAN AND REMOVED ENGINE. FOUND BOTH REAR ENGINE SUPPORT SADDLES WERE LOOSE. REMOVED, CLEANED AND INSPECTED AND REINSTALLED WITH NEW BOLTS. REMOVED THE TRANSMISSION FILTER HOUSINGS AND CLEANED. RESEALED ADN INSTALLED BACK ON MACHINE. INSTALLED NEW FILTERS AND TRANSMISSION PUMP. RESEALED AND RETURNED HOUSING. WHEN THE TRANSMISSION WAS RETURNED FROM THE SPEC SHOP, INSTALLED IN MACHINE WITH YOKE AND AXLES. INSTALLED HYDRAULIC PUMP AND COOLER LINES. REMOVED LEFT SIDE EXHAUST AND INSTALLED ENGINE. INSTALLED AIR CLEANER HOUSING AND EXHAUST</p>
01/31/2006	Service	1651414	START-UP AND SITE TEST RADIATOR	<p>REMOVED LOWER FAN SHROUD, A/C CONDENSOR, SURGE TANK, HOSES, RADIATOR GUARD, BEARINGS FROM RADIATOR GUARD AND RADIATOR. DISASSEMBLED THE RADIATOR AND FOUND LEFT FAN GUARD WAS BROKEN. UPPER FAN GUARD BRACKET WAS BENT AND BOLTS WERE BROKEN. BOTH WERE REPLACED. THE RADIATOR ERODING GRID AND SUPPORT HARDWARE WAS MISSING. IT WAS REPLACED AND INSTALLED. THE UPPER CORE SUPPORT BRACKETS WERE BENT. SENT TO WELDING SHOP FOR REPAIRS. THE UPPPER AND LOWER BAFFLES WERE MISSING AND THEY WERE INSTALLED. THE RADIATOR FRAME HAD MULTIPLE BROKEN BOLTS AND STRIPPED WELD NUTS. ALL WERE REMOVED AND REPLACED. RAN A TAP THRU REST OF THE WELD NUTS. THE CORES WERE SENT OUT FOR REPAIRS. THE RADIATOR GUARD WAS SENT TO THE MACHINE SHOP FOR REPAIRS. CLEANED AND SANDED THE BOTTOM RADIATOR TANK AND PAITNED. FOUR RADIATOR CORES WERE REPLACED. WHEN ALL COMPONENTS WERE RETURNED, ASSEMBLED TANK AND RADIATOR FRAME AND INSTALLED CORES. THE UPPER SUPPORT BRACKET HAD BEEN BENT PAST 90 DEGREES AND HAD TO BE BENT BACK TO THE CO</p>

01/31/2006	Service	1651414	START-UP AND SITE TEST PLANETARY	UNBOLTED FINALS FROM CASE AND REMOVED. WHEN RETURNED, INSTALLED FINALS AND TORQUED ALL BOLTS TO SPECS.
01/31/2006	Service	1651414	START-UP AND SITE TEST BULLDOZER BLADE	ASSEMBLED BLADE AND CROSS BRACE. CONNECTED TO THE MACHINE. CONNECTED HOSE AND SHIMMED CROSS BRACE AND PUSH ARMS. DISCONNECTED BLADE FROM MACHINE.
01/31/2006	Service	1651414	REMOVE/REBUILD/REINSTALL UNDERCARRIAGE COMPLETE	UNBOLTED TRUNNIONS AND REMOVED RETAINERS AND E-BAR PINS. REMOVED ROLLER FRAMES AND FLIPPED. REMOVED ROLLERS, IDLERS AND SENT TO THE TRACK SHOP. REMOVED TELESCOPIC SECTIONS AND RMEOVED TRACK ADJUSTERS. DISASSEMBLED CLEANED, RESLAED AND ASSEMBLED. REMOVED TELESCOTPIC SEALS AND PIVOT SHAFT SEALS. CLEANED SEAL AREAS OFF AND RESEALED. INSTALLED NEW PIVOT SHAFT BEARINGS. REMOVED PIVOT SHAFT FROM CHASSIS AND REMOVED BEARINGS AND INSTALLED NEW, REINSTALLED PIVOT SHAFT. INSTALLED FRONT TELESCOPIC SECTION INTO MAIN SECTION. INSTALLED LOCKS, ROLLERS AND IDLERS. TORQUED ALL BOLTS TO SPECS. INSTALLED ROLLER FRAMES AND REPLACED ONE MINOR BOGIES AND THREE LARGE BOGIE PINS. DRILLED AND INSTALELD FIVE HELICOILS IN TRACK ADJUSTER COVER. INSTALLED TRACKS. THIS INCLUDES ALL HYDRAULIC HOSES & LINES PUMPS & MOTORS +++++ ?? REMOVED AND REPLACED ALL DAMAGED AND NON CAT HOSES. REPLACED OR REPAIRED MULTIPLE MOUNTING BRACKETS FRO TILT AND LIFT LINES. REMOVED CONTROL LINKAGE FOR LIFT AND TILT. REPLACED BEARINGS, SEALS AND ROD ENDS. REPLACED ALL RIPPER LINES. REMOVED HYDRAULIC TANK AND REPLACED DRAIN VALVE AND PLUGGED HOLES FOR TANK HEATER. WHILE RUNNING THE MACHINE, WAS UNABLE TO ADJUST THE HYDRAULIC PRESSURE. REMOVED THE POPPET VALVES AND FOUND THEY WERE NOT SHIMMED PROPERLY. THE POPPETS SHOWED SIGNS OF WEAR. REPLACED POPPETS, SPRINGS AND INSTALLED PROPER SHIMMS. THIS DID NOT CORRECT THE PROBLEM. DRAINED HYDRAULIC TANK AND REMOVED THE HOUSING FOR THE POPPET VALVES AND FOUND BOTH FLOW CONTROL VALVES WERE FROZEN UP. REMOVED THAT SECTION OF THE VALVE. REMOVED THE FLOW CONTROL VALVES AND POLISHED THE VALVES AND THE HOUSING. THIS FREED UP THE VALVES.
01/31/2006	Service	1651414	REPAIR HYDRAULIC SYSTEM	REMOVED BATTERIES AND CABLES. REPLACED WITH NEW ONES. REMOVED RIGHT FENDER HARNESS AND REPLACED. REPLACED THE DISCONNECT SWITCH AND KEY START SWITCH. REPLACED RADIATOR GUARD HARNESSES AND INSTALLED MISSING HORNS. INSTALLED BACKUP ALARM. INSTALLED NEW HARNESS ON ROPS. INSTALLED LIGHTS.
01/31/2006	Service	1651414	REPAIR WARRANTY EXP-BCP - LCP	REMOVED RIPPER MOUNT BEARINGS FROM CHASSIS AND REPLACED. INSTALLED RIGHT ARM REST. WIPERS DID NOT WORK. REMOVED FUSES AND REPLACED THEM. THE WIPERS ALL WORKED EXCEPT ON THE LEFT DOOR. REMOVED DOOR PANEL AND WIPER MOTOR WAS MISSING AND ARM LINKAGE WAS SEIZED. REPLACED LINKAGE AND MOTOR. WIPERS ARE ALL WORKING. THE WINDOW WASHER DID NOT WORK. FOUND HARNESS WAS DAMAGED, REPLACED IT. WASHER BOTTLE HAD A HOLE IN THE BOTTOM AND REPLACED IT. REPAIRED HOSES AND REPLACED CHECKVALVES. THE DASH WAS BROKE. REMOVED COMPONENTS FROM THE OLD DASH AND INSTALLED INTO A NEW DASH. REPLACED HEAD LINER, SEAT CUSHIONS AND FLOOR MAT. REPAIRED ARM REST. THE FUEL LINES WERE RUN THROUGH THE CHASSIS AND TIED UP OFF OF WHAT EVER WAS AVAILABLE TO TIE OFF TO. INSTALLED NEW LIENS WITH THE PROPER CLIPS, SPACERS AND ROUGHTING. THE FUEL TANK HAD ONLY ONE BOLT AND HOME MADE TABS HOLDING THE FUEL TANK TO MACHINE. REMOVED TANK AND CUT OFF THE TABS. THE BOLTS WERE BROKE OFF IN THE TANK. THE TANK WAS SENT TO THE WELDING SHOP
01/31/2006	Service	1651414	REPAIR MACHINE	DISASSEMBLED BOTH CYL CLEANED AND INSPECTED ALL PARTS BOTH NEEDED HONED THEN RESEALED AND REASSEMBLED CYL TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION WARRANTY COVERAGE-6
01/31/2006	Service	1651414	RESEAL LIFT/HOIST CYLINDER	
01/31/2006	Service	1651414	RESEAL RIPPER LIFT CYLINDER	

01/31/2006	Service	1651414	RESEAL RIPPER TILT CYLINDER	<p>MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY, COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.</p> <p>DISASSEMBLED BOTH CYL CLEANED AND INSPECTED. ALL PARTS THEN RESEALED AND REASSEMBLED BOTH CYL. TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY, COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.</p>
01/31/2006	Service	1651414	WELD/BORE EYE (FP) UNDERCARRIAGE COMPLETE	
01/31/2006	Service	1651414	RECONDITION/OVERHAUL IDLER/IDLER WHEEL	
01/31/2006	Service	1651414	RESHELL TRACK ROLLER(S)	
01/31/2006	Service	1651414	REPAIR ZIEGLER GOODWILL CONSIDER	GRIND AND SAND FLUSH, REPAIRED SHEET METAL "HOOK" REPAIRED CRACK AND REPLACED DAMAGED METAL. REPAIRED WELD NUTS, STRIGHTENED BELLY PANS, REPLACED WELD NUTS ON COMPARTMENT DOOR.
01/31/2006	Service	1651414	WELD AND MACHINE LIFT/HOIST CYLINDER	WELD AND MACHINED TILT CYLINDER HYDRAULIC LINE PORT, FOUR BOLTS PER REQUEST.
01/31/2006	Service	1651414	RECONDITION/OVERHAUL ENGINE	<p>DISASSEMBLED ENGINE TO FIND BLOCK HAD BEEN EPOXIED AROUND ALL WATER FERRALS, FRT COVER WAS DAMAGED WHERE BOLTS WERE LOOSE, HUEI DRIVE WAS CRACKED IN BEARING AREA. OIL PAN HAD OIL HEATERS IN IT THAT WASN'T A CAT MODIFICATION. FLYWHEEL NEEDED TO BE UPDATED. FILTER BASE WAS DAMAGED ALSO. ASSEMBLED ENGINE WITH REMAN CAT LONG BLOCK, INJECTORS, TURBO, ALL OIL COOLERS, WATER PUMP, OIL PUMP, HUEI PUMP, REPLACED ALL GASKETS, SEALS, FILTERS, BELTS, SENSORS, SWITCHES, HARNESSSES, ALL NECESSARY HEAT SHIELDS, DAMPER, FLYWHEEL, FRT SHIELDS, DAMPER, FLYWHEEL, FRT COVER, OIL PAN AFTERCOOLER, HUEI PUMP DRIVE, HUEI PUMP GEARS, NEW ECM, NEW FILTER BASE, ALL HOSES, ALT, STARTER, AND MISSING FUMES TUBES ALONG WITH NEW BREATHERS. RAN ENGINE ON DYNO WHERE IT MET ALL SPECS.</p>
01/31/2006	Service	1651414	RECONDITION/OVERHAUL TRANSMISSION	<p>DISASSEMBLED THE TRANS AND ORDERED PARTS ACCORDING TO CAT CERTIFIED REBUILD STANDARDS. INSTALLED NEW BEARINGS, SEALS, AND GASKETS. INSTALLED NEW SOLENOIDS AND HARNESS FOR THE VALVES. INSTALLED NEW DISC IN THE WHOLE TRANSMISSION. AFTER ASSEMBLY. RAN THE TRANSMISSION ON THE TEST BENCH WHERE IT MET ALL CAT SPECS.</p>
01/31/2006	Service	1651414	RECONDITION/OVERHAUL TORQUE DIVIDER	<p>THE TORQUE WAS DISASSEMBLED AND INSPECTED. IT WAS FOUND THAT THE SEAL CARRIERS WERE WORN OUT FROM NORMAL WEAR. ALL THE SEALS AND BEARINGS WERE REPLACED ALONG WITH THE THRUST WASHERS. THE SET SCREW AND WASHER ON THE TURBINE WERE ALSO REPLACED. THE VALVES WERE CLEANED AND GIVEN A NEW SPRING AND ALL THE ELECTRONIC SENSORS WERE REPLACED. THE YOKE HAD TO BE METALIZED DUE TO WEAR FROM THE LIP SEAL. THE BOLT THAT HOLDS THE YOKE ON WAS REPLACED ALONG WITH THE RETAINING RING THAT HOLDS THE PLANETARY ON.</p>
01/31/2006	Service	1651414	RECONDITION/OVERHAUL STEERING CLUTCH AND BRAKE	<p>THE STEERING AND BRAKE ASSEMBLIES WERE REMOVED DISASSEMBLED AND INSPECTED FOR REPAIR. ONE SET OF BRAKE DISCS WERE DETERIORATED AND HAD TO BE REPLACED ALONG WITH ONE OF THE CLUTCH PLATES. ALL OF THE STEERING CLUTCH DISCS WERE REPLACED AS PART OF A CAT CERTIFIED REBUILD. BOTH STEERING CLUTCH PISTONS WERE FOUND TO BE DAMAGED AND HAD TO BE REPLACED. ALL SEALS, BEARINGS AND NECESSARY HARDWARE WERE REPLACED AS PART OF A CERTIFIED REBUILD. THE FINAL DRIVES WERE DISASSEMBLED AND INSPECTED. THE SEGMENT FLANGES AND BOLT HOLES HAD TO BE REPAIRED BY THE MACHINE SHOP. ALL BEARINGS,</p>

				SEALS AND NECESSARY HARDWARE WERE REPLACED AS PART OF A CAT CERTIFIED REBUILD. THE STEERING, BRAKE AND FINALS WERE ALL ASSEMBLED USING CAT SPECIFICATIONS.
01/31/2006	Service	1651414	RESEAL RIPPER PIN PULLR CONT VLV	DISASSEMBLED CYL.CLEANED AND INSPECTED ALL PARTS. POLISHED ROD.RESEALED AND REASSEMBLED CYL.TESTED AND PAINTED THEN CAPPED TO PREVENT CONTAMINATION.
01/31/2006	Service	1651414	WELD AND MACHINE IMPLEMENTS	INSTALLED TRANSMISSION BUSHING ON SHAFTS FOR EACH TRANSMISSION. MIC ALL HOLES ON BLADE, PUSHARMS, TILT CYLINDERS, RIPPER FRAMES, CYLINDERS, SHANK, ETC. WELD AND MACHINED PUSHARM PIN BORES, PLATED BOTH PUSHARMS, WELD NEW BRACKETS AND END CAPS ON BOTH PUSHARMS. REMOVED BROKEN BOLTS AND FABRICATED GUARDS ON DIAGONAL BRACE AND STRAIGHTENED. WELD AND MACHINED ROD BEARING BORES ON BOTH TILT CYLINDERS. WELD AND MACHINED BOTH LIFT CYLINDER CONNECTOR BLOCKS. WELD AND MACHINED RIPPER FRAME SHANK PIN BORES. WELD AND MACHINED CENTER PIN BORE ON SHANK, WELD LOCKING RETAINER PLATE ON RIPPER FRAME. INSTALLED ALL BEARINGS AND SEALS.
01/31/2006	Service	1651414	WELD AND MACHINE RADIATOR GUARD	SET-UP TWO HARD-NOSE YOKES IN THE LATHE AND WELD UP THE DAMAGED BEARING AND SEAL AREAS. MACHINED BEARING AND SEAL AREAS TO CAT. SPECS.
01/31/2006	Service	1651414	WELD AND MACHINE RADIATOR GUARD	SET-UP AND REMOVED YOKE BEARINGS, SEALS AND MIC ALL OTHER BEARING BORES. INSTALLED ALL NEW BEARINGS, SEALS AND WELD A COUPLE OF SMALL CRACKS.
01/31/2006	Service	1651414	RESEAL TILT CYLINDER	DISASSEMBLED BOTH CYLS CLEANED AND INSPECTED ALL PARTS. HAD EYE BORES REPAIRED ON BOTH TUBES ALSO HAD 1 ROD RECHROMED REPLACED ALL BRGS. RESEALED AND REASSEMBLED CYL TESTED AND CAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.
01/31/2006	Service	1651414	START-UP AND SITE TEST BULLDOZER BLADE	
01/31/2006	Service	1651414	RECONDITION/OVERHAUL* IMPLEMENT PUMP	
01/31/2006	Service	1651414	RECONDITION/OVERHAUL* TRANSMISSION OIL PUMP	THE TRANSMISSION OIL PUMP WAS DISASSEMBLED AND INSPECTED. THE BEARINGS WERE WORN AND WERE REPLACED. THE BEARING AREAS ON THE SHAFTS HAD LIGHT WEAR AND WERE HAND POLISHED TO REPAIR. THE ROLLER BEARING IN THE CAGE ASSEMBLY WAS WORN AND WAS REPLACED. ALL PUMP SURFACES WERE BUFFED TO REMOVED BURRS AND INSURE A UNIFORM SMOOTHNESS. THE RUBBER BUSHINGS IN THE PUMP COUPLING WERE DRY ROTTED AND MISALIGNED FROM WEAR. THE PUMP COUPLING WAS REPLACED. THE PUMP WAS CLEANED THOROUGHLY. THE CAGE RETAINING RING AND ALL SEALS WERE REPLACED. THE PUMP WAS REASSEMBLED. ALL BOLTS WERE TORQUED TO SPECIFICATIONS. THE PORTS WERE COVERED AND WRAPPED TO PREVENT CONTAMINATION. THE PUMP WAS DELIVERED TO THE MACHINE. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES N
01/31/2006	Service	1651414	RECONDITION/OVERHAUL* STEERING VALVE	
01/31/2006	Service	1651414	METALLIZE IMPLEMENT PUMP	SET-UP IMPLEMENT PUMP SHAFT IN THE LATHE AND METALLIZED THE DAMAGED SEAL AREA. MACHINED BEARING AND SEAL AREAS TO CAT SPECS.
01/31/2006	Service	1651414	WELD AND MACHINE EXHAUST MANIFOLD	SET-UP AND MODIFIED BOTH EXHAUST MANIFOLDS PER CAT SPEC. SET-UP HUE PUMP AT MILL MACHINE TO BE MODIFIED. THE FIRST HUE PUMP WAS CRACKED. DRILLED 1/4 HOLE AT 1.417 DEPTH. E'BORED .350 DIA AT .531 DEPTH AND TAPPED 5/16-18 PER SERVICE LETTER.

01/31/2006	Service	1651414	WELD AND MACHINE PUMP DRIVE/PTO DRIVE	SET-UP AND MADE MODIFY HUE PUMP DRIVE TO CAT SPEC. DRILLED THEN TAPPED HOLES AND COUNTER SUNK HOLES.
01/31/2006	Service	1651414	REPAIR AFTERCOOLER GROUP	SET-UP, DRILLED AND TAPPED ONE BOLT HOLE IN COOLEN HOUSING.
01/31/2006	Service	1651414	TRUCK 2475 BRIAN YOUNG EXHAUST MANIFOLD	SET-UP AND SURFACED BOTH EXHAUST MANIFOLDS TO CAT SPEC. IN SURFACE GRINDER.
01/31/2006	Service	1651414	WELD AND MACHINE FRT CVR/HSG USE 1162/1166	
01/31/2006	Service	1651414	WELD AND MACHINE ENGINE	WELD UP HOLES IN OIL PAN, WHERE THE OIL HEATER WAS LOCATED IN OIL PAN.
01/31/2006	Service	1651414	METALLIZE TRANSMISSION	SET-UP TRANSMISSION YOKE IN THE LATHE AND METALLIZED THE DAMAGED SEAL AREA. MACHINED SEAL AREA TO CAT SPEC.
01/31/2006	Service	1651414	WELD AND MACHINE TILT CYLINDER	GRIND FOUR FACES ON TUBE WHRE THEY HAD BEEN WELD. MACHINED ROD TO ACCEPT BEARING WHERE IT WAS WELD PER REQUEST.
01/31/2006	Service	1651414	MACHINE/GRIND/MILL FINAL DRIVE(S)	WELD UP CRACKS AND WORN SPOST ON HUBS.
01/31/2006	Service	1651414	REMOVE BRAKE & WHEEL SPINDLE HSG	REMOVED SPOOL FROM BROKE HOUSING TO BE MACHINED.
01/31/2006	Service	1651414	START-UP AND SITE TEST FINAL DRIVE(S)	
01/31/2006	Service	1651414	TOE ADJUSTMENT ENGINE AND TRANSMISSION	RAN THE MACHINE AND PERFORMED THE ENGINE PERFORMANCE TEST. CHECKED AND SET TORQUE OUTLET PRESSURE. FLASHED TRANSMISSION ECM AND PERFORMED BRAKE AND STEERING CLUTCH CALIBRATIONS. CHECKED POWER TRAIN PRESSURES. CHECKED FOR LEAKS AND NONE WERE FOUND.
01/31/2006	Service	1651414	WORK COMP PER. TRANSMISSION	GOT THE TRANSMISSION HOT AND CONNECTED MACHINE TO KIDNEY LOOP PUMP. RAN UNTIL TRANSMISSIOS OIL WAS IN SPEC. CONNECTED MACHINE TO HYDRAULIC TANK AND KINEY LOOPED HYDRAULIC OIL UNTIL CLEAN AND IN SPEC.
01/31/2006	Service	1651414	USED EQUIPMENT MACHINE	
02/07/2006	Service Credit	1651414	START-UP AND SITE TEST FINAL DRIVE(S)	WAS INFORMED BY MY SUPERVISOR THAT THE MACHINE'S BRAKES HAD BEEN ASSEMBLED WRONG. DROVE TWENTY MILES TO GET BRACKET TO REMOVE THE FINALS. RMOVED FIRST SEGMENT FROM EACH FINAL AND INSTALLED BRACKET. REMOVED AXLES AND BOLTS. REMOVED FINALS AND SWAPPED BRAKES FOR ANOTHER SET AND REINSTALLED FINALS AND BRAKES. TORQUED BOLTS BACK TO SPECS.
02/07/2006	Service Credit	1651414	UNLOAD MACHINE MACHINE	
02/07/2006	Service Credit	1651414	REPAIR NON-ROPS CAB	
02/07/2006	Service Credit	1651414	CLEAN. MACHINE	THIS INCLUDES CLEANNING THE MACHINE & R&I OF ALL GUARDS & ENCLOSURES
02/07/2006	Service Credit	1651414	START-UP AND SITE TEST RIPPER	REMOVED LINES FROM CYLINDERS AND CAPPED. REMOVED PINS AND CYLINDERS. REMOVED PIN PULLER ASSEMBLY AND SHANK PIN. INSTALLED NEW SHANK PIN AND INSTALLED PROPER LINK PINS IN PIN PULLER LINKAGE. REMOVED SHANK CARRIER AND RIPPER BASE. REPLACED ALL PINS AND INSTALLED NEW BEARINGS AND SEALS IN CYLINDERS.
02/07/2006	Service Credit	1651414	START-UP AND SITE TEST ENGINE AND TRANSMISSION	REMOVED DRIVE LINE AND AXLES. REMOVED RIPPER VALVE AND UNBOLTED AND REMOVED TRANSMISSION. DISCONNECTED LINES AND FITTINGS FROM TORQUE TO CASE. REMOVED HYDRAULIC LINES FROM PUMPS AND DISCONNECTED ELECTRICAL FROM ENGINE. THE RIGHT REAR CLAMP ON ENGINE WAS MISSING. THE LEFT SIDE CLAMP WAS THERE, BUT WAS LOOSE AND DAMAGED. THE REAR ENGINE LIFT BRACKET WAS MISSING. ORDERED BRACKET AND INSTALLED. REMOVED LEFT SIDE EXHAUST AND HEAT SHIELDS. REMOVED AIR CLEANER AND FAN AND REMOVED ENGINE. FOUND BOTH REAR ENGINE SUPPORT SADDLES WERE LOOSE. REMOVED, CLEANED AND INSPECTED AND REINSTALLED WITH NEW BOLTS. REMOVED THE TRANSMISSION FILTER HOUSINGS AND CLEANED. RESEALED ADN INSTALLED BACK ON MACHINE. INSTALLED NEW FILTERS AND TRANSMISSION PUMP. RESEALED AND RETURNED HOUSING. WHEN THE TRANSMISSION WAS RETURNED FROM THE SPEC SHOP, INSTALLED IN MACHINE WITH YOKE AND AXLES. INSTALLED HYDRAULIC PUMP AND

02/07/2006	Service Credit	1651414	START-UP AND SITE TEST RADIATOR	<p>COOLER LINES. REMOVED LEFT SIDE EXHAUST AND INSTALLED ENGINE. INSTALLED AIR CLEANER HOUSING AND EXHAUST</p> <p>REMOVED LOWER FAN SHROUD, A/C CONDENSOR, SURGE TANK, HOSES, RADIATOR GUARD, BEARINGS FROM RADIATOR GUARD AND RADIATOR. DISASSEMBLED THE RADIATOR AND FOUND LEFT FAN GUARD WAS BROKEN. UPPER FAN GUARD BRACKET WAS BENT AND BOLTS WERE BROKEN. BOTH WERE REPLACED. THE RADIATOR ERODING GRID AND SUPPORT HARDWARE WAS MISSING. IT WAS REPLACED AND INSTALLED. THE UPPER CORE SUPPORT BRACKETS WERE BENT. SENT TO WELDING SHOP FOR REPAIRS. THE UPPER AND LOWER BAFFLES WERE MISSING AND THEY WERE INSTALLED. THE RADIATOR FRAME HAD MULTIPLE BROKEN BOLTS AND STRIPPED WELD NUTS. ALL WERE REMOVED AND REPLACED. RAN A TAP THRU REST OF THE WELD NUTS. THE CORES WERE SENT OUT FOR REPAIRS. THE RADIATOR GUARD WAS SENT TO THE MACHINE SHOP FOR REPAIRS. CLEANED AND SANDED THE BOTTOM RADIATOR TANK AND PAINTED. FOUR RADIATOR CORES WERE REPLACED. WHEN ALL COMPONENTS WERE RETURNED, ASSEMBLED TANK AND RADIATOR FRAME AND INSTALLED CORES. THE UPPER SUPPORT BRACKET HAD BEEN BENT PAST 90 DEGREES AND HAD TO BE BENT BACK TO THE CO</p>
02/07/2006	Service Credit	1651414	START-UP AND SITE TEST PLANETARY	<p>UNBOLTED FINALS FROM CASE AND REMOVED. WHEN RETURNED, INSTALLED FINALS AND TORQUED ALL BOLTS TO SPECS.</p>
02/07/2006	Service Credit	1651414	START-UP AND SITE TEST BULLDOZER BLADE	<p>ASSEMBLED BLADE AND CROSS BRACE. CONNECTED TO THE MACHINE. CONNECTED HOSE AND SHIMMED CROSS BRACE AND PUSH ARMS. DISCONNECTED BLADE FROM MACHINE.</p>
02/07/2006	Service Credit	1651414	REMOVE/REBUILD/REINSTALL UNDERCARRIAGE COMPLETE	<p>UNBOLTED TRUNNIONS AND REMOVED RETAINERS AND E-BAR PINS. REMOVED ROLLER FRAMES AND FLIPPED. REMOVED ROLLERS, IDLERS AND SENT TO THE TRACK SHOP. REMOVED TELESCOPIC SECTIONS AND RMEOVED TRACK ADJUSTERS. DISASSEMBLED CLEANED. RESLAED AND ASSEMBLED. REMOVED TELESCOTPIC SEALS AND PIVOT SHAFT SEALS. CLEANED SEAL AREAS OFF AND RESEALED. INSTALLED NEW PIVOT SHAFT BEARINGS. REMOVED PIVOT SHAFT FROM CHASSIS AND REMOVED BEARINGS AND INSTALLED NEW, REINSTALLED PIVOT SHAFT. INSTALLED FRONT TELESCOPIC SECTION INTO MAIN SECTION. INSTALLED LOCKS, ROLLERS AND IDLERS. TORQUED ALL BOLTS TO SPECS. INSTALLED ROLLER FRAMES AND REPLACED ONE MINOR BOGIES AND THREE LARGE BOGIE PINS. DRILLED AND INSTALELD FIVE HELICOILS IN TRACK ADJUSTER COVER. INSTALLED TRACKS.</p> <p>THIS INCLUDES ALL HYDRAULIC HOSES & LINES PUMPS & MOTORS</p> <p>+++++</p> <p>??</p> <p>REMOVED AND REPLACED ALL DAMAGED AND NON CAT HOSES. REPLACED OR REPAIRED MULTIPLE MOUNTING BRACKETS FRO TILT AND LIFT LINES. REMOVED CONTROL LINKAGE FOR LIFT AND TILT. REPLACED BEARINGS, SEALS AND ROD ENDS. REPLACED ALL RIPPER LINES. REMOVED HYDRAULIC TANK AND REPLACED DRAIN VALVE AND PLUGGED HOLES FOR TANK HEATER. WHILE RUNNING THE MACHINE, WAS UNABLE TO ADJUST THE HYDRAULIC PRESSURE. REMOVED THE POPPET VALVES AND FOUND THEY WERE NOT SHIMMED PROPERLY. THE POPPETS SHOWED SIGNS OF WEAR. REPLACED POPPETS, SPRINGS AND INSTALLED PROPER SHIMMS. THIS DID NOT CORRECT THE PROBLEM. DRAINED HYDRAULIC TANK AND REMOVED THE HOUSING FOR THE POPPET VALVES AND FOUND BOTH FLOW CONTROL VALVES WERE FROZEN UP. REMOVED THAT SECTION OF THE VALVE. REMOVED THE FLOW CONTROL VALVES AND POLISHED THE VALVES AND THE HOUSING. THIS FREED UP THE VALVES.</p>
02/07/2006	Service Credit	1651414	REPAIR HYDRAULIC SYSTEM	<p>REMOVED BATTERIES AND CABLES. REPLACED WITH NEW ONES. REMOVED RIGHT FENDER HARNESS AND REPLACED. REPLACED THE DISCONNECT SWITCH AND KEY START SWITCH. REPLACED RADIATOR GUARD HARNESSES AND INSTALLED MISSING HORNS. INSTALLED BACKUP ALARM. INSTALLED NEW HARNESS ON ROPS. INSTALLED LIGHTS.</p>
02/07/2006	Service Credit	1651414	REPAIR WARRANTY EXP-BCP - LCP	

02/07/2006	Service Credit	1651414	REPAIR MACHINE	REMOVED RIPPER MOUNT BEARINGS FROM CHASSIS AND REPLACED. INSTALLED RIGHT ARM REST. WIPERS DID NOT WORK. REMOVED FUSES AND REPLACED THEM. THE WIPERS ALL WORKED EXCEPT ON THE LEFT DOOR. REMOVED DOOR PANEL AND WIPER MOTOR WAS MISSING AND ARM LINKAGE WAS SEIZED. REPLACED LINKAGE AND MOTOR. WIPERS ARE ALL WORKING. THE WINDOW WASHER DID NOT WORK. FOUND HARNESS WAS DAMAGED, REPLACED IT. WASHER BOTTLE HAD A HOLE IN THE BOTTOM AND REPLACED IT. REPAIRED HOSES AND REPLACED CHECKVALVES. THE DASH WAS BROKE. REMOVED COMPONENTS FROM THE OLD DASH AND INSTALLED INTO A NEW DASH. REPLACED HEAD LINER, SEAT CUSHIONS AND FLOOR MAT. REPAIRED ARM REST. THE FUEL LINES WERE RUN THROUGH THE CHASSIS AND TIED UP OFF OF WHAT EVER WAS AVAILABLE TO TIE OFF TO. INSTALLED NEW LIENS WITH THE PROPER CLIPS, SPACERS AND ROUGHTING. THE FUEL TANK HAD ONLY ONE BOLT AND HOME MADE TABS HOLDING THE FUEL TANK TO MACHINE. REMOVED TANK AND CUT OFF THE TABS. THE BOLTS WERE BROKE OFF IN THE TANK. THE TANK WAS SENT TO THE WELDING SHOP
02/07/2006	Service Credit	1651414	RESEAL LIFT/HOIST CYLINDER	DISASSEMBLED BOTH CYL CLEANED AND INSPECTED ALL PARTS BOTH NEEDED HONED THEN RESEALED AND REASSEMBLED CYL TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.
02/07/2006	Service Credit	1651414	RESEAL RIPPER LIFT CYLINDER	DISASSEMBLED BOTH CYL CLEANED AND INSPECTED.ALL PARTS THEN RESEALED AND REASSEMBLED BOTH CYL. TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.
02/07/2006	Service Credit	1651414	RESEAL RIPPER TILT CYLINDER	DISASSEMBLED BOTH CYL CLEANED AND INSPECTED.ALL PARTS THEN RESEALED AND REASSEMBLED BOTH CYL. TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.
02/07/2006	Service Credit	1651414	WELD/BORE EYE (FP) UNDERCARRIAGE COMPLETE	
02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL IDLER/IDLER WHEEL	
02/07/2006	Service Credit	1651414	RESHELL TRACK ROLLER(S)	
02/07/2006	Service Credit	1651414	REPAIR ZIEGLER GOODWILL CONSIDER	GRIND AND SAND FLUSH, REPAIRED SHEET METAL "HOOK" REPAIRED CRACK AND REPLACED DAMAGED METAL. REPAIRED WELD NUTS, STRIGHTENED BELLY PANS, REPLACED WELD NUTS ON COMPARTMENT DOOR.
02/07/2006	Service Credit	1651414	WELD AND MACHINE LIFT/HOIST CYLINDER	WELD AND MACHINED TILT CYLINDER HYDRAULIC LINE PORT, FOUR BOLTS PER REQUEST.
02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL ENGINE	DISASSEMBLED ENGINE TO FIND BLOCK HAD BEEN EPOXIED AROUND ALL WATER FERRALS,FRT COVER WAS DAMAGED WHERE BOLTS WERE LOOSE, HEUI DRIVE WAS CRACKED IN BEARING AREA. OIL PAN HAD OIL HEATERS IN IT THAT WASN'T A CAT MODIFICATION. FLYWHEEL NEEDED TO BE UPDATED. FILTER BASE WAS DAMAGED ALSO. ASSEMBLED ENGINE WITH REMAN CAT LONG BLOCK,INJECTORS,TURBO, ALL OIL COOLERS,WATER PUMP,OIL PUMP,HUEI PUMP.REPLACED ALL GASKETS, SEALS,FILTERS,BELTS,SENSORS,SWITCHES,HARNESSES,ALL NECESSARY HEAT SHIELDS,DAMPER,FLYWHEEL,FRT SHIELDS,DAMPER,FLYWHEEL,FRT COVER,OIL PAN AFTERCOOLER,HUEI PUMP DRIVE,HUEI PUMP GEARS, NEW ECM,NEW FILTER BASE,ALL HOSES,ALT,STARTER, AND MISSING FUMES TUBES ALONG WITH NEW BREATHERS.RAN ENGINE ON DYNO WHERE IT MET ALL SPECS.

02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL TRANSMISSION	<p>DISASSEMBLED THE TRANS AND ORDERED PARTS ACCORDING TO CAT CERTIFIED REBUILD STANDARDS. INSTALLED NEW BEARINGS, SEALS, AND GASKETS. INSTALLED NEW SOLENOIDS AND HARNESS FOR THE VALVES. INSTALLED NEW DISC IN THE WHOLE TRANSMISSION. AFTER ASSEMBLY. RAN THE TRANSMISSION ON THE TEST BENCH WHERE IT MET ALL CAT SPECS.</p> <p>THE TORQUE WAS DISASSEMBLED AND INSPECTED. IT WAS FOUND THAT THE SEAL CARRIERS WERE WORN OUT FROM NORMAL WEAR. ALL THE SEALS AND BEARINGS WERE REPLACED ALONG WITH THE THRUST WASHERS. THE SET SCREW AND WASHER ON THE TURBINE WERE ALSO REPLACE. THE VALVES WERE CLEANED AND GIVEN A NEW SPRING AND ALL THE ELECTRONIC SENSORS WERE REPLACED. THE YOKE HAD TO BE METALIZED DUE TO WEAR FROM THE LIP SEAL. THE BOLT THAT HOLDS THE YOKE ON WAS REPLACED ALONG WITH THE RETAINING RING THAT HOLDS THE PLANETARY ON.</p> <p>THE STEERING AND BRAKE ASSEMBLIES WERE REMOVED DISASSEMBLED AND INSPECTED FOR REPAIR. ONE SET OF BRAKE DISCS WERE DETERIORATED AND HAD TO BE REPLACED ALONG WITH ONE OF THE CLUTCH PLATES. ALL OF THE STEERING CLUTCH DISCS WERE REPLACED AS PART OF A CAT CERTIFIED REBUILD. BOTH STEERING CLUTCH PISTONS WERE FOUND TO BE DAMAGED AND HAD TO BE REPLACED. ALL SEALS, BEARINGS AND NECESSARY HARDWARE WERE REPLACED AS PART OF A CERTIFIED REBUILD. THE FINAL DRIVES WERE DISASSEMBLED AND INSPECTED. THE SEGMENT FLANGES AND BOLT HOLES HAD TO BE REPAIRED BY THE MACHINE SHOP. ALL BEARINGS, SEALS AND NECESSARY HARDWARE WERE REPLACED AS PART OF A CAT CERTIFIED REBUILD. THE STEERING, BRAKE AND FINALS WERE ALL ASSEMBLED USING CAT SPECIFICATIONS.</p>
02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL TORQUE DIVIDER	
02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL STEERING CLUTCH AND BRAKE	
02/07/2006	Service Credit	1651414	RESEAL RIPPER PIN PULLR CONT VLV	<p>DISASSEMBLED CYL. CLEANED AND INSPECTED ALL PARTS. POLISHED ROD. RESEALED AND REASSEMBLED CYL. TESTED AND PAINTED THEN CAPPED TO PREVENT CONTAMINATION.</p> <p>INSTALLED TRANSMISSION BUSHING ON SHAFTS FOR EACH TRANSMISSION. MIC ALL HOLES ON BLADE, PUSHARMS, TILT CYLINDERS, RIPPER FRAMES, CYLINDERS, SHANK, ETC. WELD AND MACHINED PUSHARM PIN BORES, PLATED BOTH PUSHARMS, WELD NEW BRACKETS AND END CAPS ON BOTH PUSHARMS. REMOVED BROKEN BOLTS AND FABRICATED GUARDS ON DIAGONAL BRACE AND STRAIGHTENED. WELD AND MACHINED ROD BEARING BORES ON BOTH TILT CYLINDERS. WELD AND MACHINED BOTH LIFT CYLINDER CONNECTOR BLOCKS. WELD AND MACHINED RIPPER FRAME SHANK PIN BORES. WELD AND MACHINED CENTER PIN BORE ON SHANK, WELD LOCKING RETAINER PLATE ON RIPPER FRAME. INSTALLED ALL BEARINGS AND SEALS.</p>
02/07/2006	Service Credit	1651414	WELD AND MACHINE IMPLEMENTS	
02/07/2006	Service Credit	1651414	WELD AND MACHINE RADIATOR GUARD	<p>SET-UP TWO HARD-NOSE YOKES IN THE LATHE AND WELD UP THE DAMAGED BEARING AND SEAL AREAS. MACHINED BEARING AND SEAL AREAS TO CAT. SPECS.</p>
02/07/2006	Service Credit	1651414	WELD AND MACHINE RADIATOR GUARD	<p>SET-UP AND REMOVED YOKE BEARINGS, SEALS AND MIC ALL OTHER BEARING BORES. INSTALLED ALL NEW BEARINGS, SEALS AND WELD A COUPLE OF SMALL CRACKS.</p>
02/07/2006	Service Credit	1651414	RESEAL TILT CYLINDER	<p>DISASSEMBLED BOTH CYLS CLEANED AND INSPECTED ALL PARTS. HAD EYE BORES REPAIRED ON BOTH TUBES ALSO HAD 1 ROD RECHROMED REPLACED ALL BRGS. RESEALED AND REASSEMBLED CYL TESTED AND CAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY, COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.</p>
02/07/2006	Service Credit	1651414	START-UP AND SITE TEST BULLDOZER BLADE	
02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL* IMPLEMENT PUMP	
02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL* TRANSMISSION OIL PUMP	<p>THE TRANSMISSION OIL PUMP WAS DISASSEMBLED AND INSPECTED. THE BEARINGS WERE WORN AND WERE REPLACED. THE BEARING AREAS ON THE SHAFTS HAD LIGHT WEAR AND WERE HAND POLISHED TO REPAIR. THE</p>

				<p>ROLLER BEARING IN THE CAGE ASSEMBLY WAS WORN AND WAS REPLACED. ALL PUMP SURFACES WERE BUFFED TO REMOVED BURRS AND INSURE A UNIFORM SMOOTHNESS. THE RUBBER BUSHINGS IN THE PUMP COUPLING WERE DRY ROTTED AND MISALIGNED FROM WEAR. THE PUMP COUPLING WAS REPLACED. THE PUMP WAS CLEANED THOROUGHLY. THE CAGE RETAINING RING AND ALL SEALS WERE REPLACED. THE PUMP WAS REASSEMBLED. ALL BOLTS WERE TORQUED TO SPECIFICATIONS. THE PORTS WERE COVERED AND WRAPPED TO PREVENT CONTAMINATION. THE PUMP WAS DELIVERED TO THE MACHINE. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY, COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES N</p>
02/07/2006	Service Credit	1651414	RECONDITION/OVERHAUL* STEERING VALVE	
02/07/2006	Service Credit	1651414	METALLIZE IMPLEMENT PUMP	SET-UP IMPLEMENT PUMP SHAFT IN THE LATHE AND METALLIZED THE DAMAGED SEAL AREA. MACHINED BEARING AND SEAL AREAS TO CAT SPECS.
02/07/2006	Service Credit	1651414	WELD AND MACHINE EXHAUST MANIFOLD	SET-UP AND MODIFIED BOTH EXHAUST MANIFOLDS PER CAT SPEC. SET-UP HUE PUMP AT MILL MACHINE TO BE MODIFIED. THE FIRST HUE PUMP WAS CRACKED. DRILLED 1/4 HOLE AT 1.417 DEPTH. E'BORED .350 DIA AT .531 DEPTH AND TAPPED 5/16-18 PER SERVICE LETTER.
02/07/2006	Service Credit	1651414	WELD AND MACHINE PUMP DRIVE/PTO DRIVE	SET-UP AND MADE MODIFY HUE PUMP DRIVE TO CAT SPEC. DRILLED THEN TAPPED HOLES AND COUNTER SUNK HOLES.
02/07/2006	Service Credit	1651414	REPAIR AFTERCOOLER GROUP	SET-UP, DRILLED AND TAPPED ONE BOLT HOLE IN COOLEN HOUSING.
02/07/2006	Service Credit	1651414	TRUCK 2475 BRIAN YOUNG EXHAUST MANIFOLD	SET-UP AND SURFACED BOTH EXHAUST MANIFOLDS TO CAT SPEC. IN SURFACE GRINDER.
02/07/2006	Service Credit	1651414	WELD AND MACHINE FRT CVR/HSG USE 1162/1166	
02/07/2006	Service Credit	1651414	WELD AND MACHINE ENGINE	WELD UP HOLES IN OIL PAN, WHERE THE OIL HEATER WAS LOCATED IN OIL PAN.
02/07/2006	Service Credit	1651414	METALLIZE TRANSMISSION	SET-UP TRANSMISSION YOKE IN THE LATHE AND METALLIZED THE DAMAGED SEAL AREA. MACHINED SEAL AREA TO CAT SPEC.
02/07/2006	Service Credit	1651414	WELD AND MACHINE TILT CYLINDER	GRIND FOUR FACES ON TUBE WHRE THEY HAD BEEN WELD. MACHINED ROD TO ACCEPT BEARING WHERE IT WAS WELD PER REQUEST.
02/07/2006	Service Credit	1651414	MACHINE/GRIND/MILL FINAL DRIVE(S)	WELD UP CRACKS AND WORN SPOST ON HUBS.
02/07/2006	Service Credit	1651414	REMOVE BRAKE & WHEEL SPINDLE HSG	REMOVED SPOOL FROM BROKE HOUSING TO BE MACHINED.
02/07/2006	Service Credit	1651414	START-UP AND SITE TEST FINAL DRIVE(S)	
02/07/2006	Service Credit	1651414	TOE ADJUSTMENT ENGINE AND TRANSMISSION	RAN THE MACHINE AND PERFORMED THE ENGINE PERFORMANCE TEST. CHECKED AND SET TORQUE OUTLET PRESSURE. FLASHED TRANSMISSION ECM AND PERFORMED BRAKE AND STEERING CLUTCH CALIBRATIONS. CHECKED POWER TRAIN PRESSURES. CHECKED FOR LEAKS AND NONE WERE FOUND.
02/07/2006	Service Credit	1651414	WORK COMP PER. TRANSMISSION	GOT THE TRANSMISSION HOT AND CONNECTED MACHINE TO KIDNEY LOOP PUMP. RAN UNTIL TRANSMISSIOS OIL WAS IN SPEC. CONNECTED MACHINE TO HYDRAULIC TANK AND KINEY LOOPED HYDRAULIC OIL UNTIL CLEAN AND IN SPEC.
02/07/2006	Service Credit	1651414	USED EQUIPMENT MACHINE	
02/07/2006	Service	1651414	START-UP AND SITE TEST FINAL DRIVE(S)	WAS INFORMED BY MY SUPERVISOR THAT THE MACHINE'S BRAKES HAD BEEN ASSEMBLED WRONG. DROVE TWENTY MILES TO GET BRACKET TO REMOVE THE FINALS. RMOVED FIRST SEGMENT FROM EACH FINAL AND INSTALLED BRACKET. REMOVED AXLES AND BOLTS. REMOVED FINALS AND SWAPPED BRAKES FOR ANOTHER SET AND REINSTALLED FINALS AND BRAKES. TORQUED BOLTS BACK TO SPECS.

02/07/2006	Service	1651414	UNLOAD MACHINE MACHINE	
02/07/2006	Service	1651414	REPAIR NON-ROPS CAB	
02/07/2006	Service	1651414	CLEAN. MACHINE	THIS INCLUDES CLEANING THE MACHINE & R&I OF ALL GUARDS & ENCLOSURES
02/07/2006	Service	1651414	START-UP AND SITE TEST RIPPER	REMOVED LINES FROM CYLINDERS AND CAPPED. REMOVED PINS AND CYLINDERS. REMOVED PIN PULLER ASSEMBLY AND SHANK PIN. INSTALLED NEW SHANK PIN AND INSTALLED PROPER LINK PINS IN PIN PULLER LINKAGE. REMOVED SHANK CARRIER AND RIPPER BASE. REPLACED ALL PINS AND INSTALLED NEW BEARINGS AND SEALS IN CYLINDERS.
02/07/2006	Service	1651414	START-UP AND SITE TEST ENGINE AND TRANSMISSION	REMOVED DRIVE LINE AND AXLES. REMOVED RIPPER VALVE AND UNBOLTED AND REMOVED TRANSMISSION. DISCONNECTED LINES AND FITTINGS FROM TORQUE TO CASE. REMOVED HYDRAULIC LINES FROM PUMPS AND DISCONNECTED ELECTRICAL FROM ENGINE. THE RIGHT REAR CLAMP ON ENGINE WAS MISSING. THE LEFT SIDE CLAMP WAS THERE, BUT WAS LOOSE AND DAMAGED. THE REAR ENGINE LIFT BRACKET WAS MISSING. ORDERED BRACKET AND INSTALLED. REMOVED LEFT SIDE EXHAUST AND HEAT SHIELDS. REMOVED AIR CLEANER AND FAN AND REMOVED ENGINE. FOUND BOTH REAR ENGINE SUPPORT SADDLES WERE LOOSE. REMOVED, CLEANED AND INSPECTED AND REINSTALLED WITH NEW BOLTS. REMOVED THE TRANSMISSION FILTER HOUSINGS AND CLEANED. RESEALED AND INSTALLED BACK ON MACHINE. INSTALLED NEW FILTERS AND TRANSMISSION PUMP. RESEALED AND RETURNED HOUSING. WHEN THE TRANSMISSION WAS RETURNED FROM THE SPEC SHOP, INSTALLED IN MACHINE WITH YOKE AND AXLES. INSTALLED HYDRAULIC PUMP AND COOLER LINES. REMOVED LEFT SIDE EXHAUST AND INSTALLED ENGINE. INSTALLED AIR CLEANER HOUSING AND EXHAUST
02/07/2006	Service	1651414	START-UP AND SITE TEST RADIATOR	REMOVED LOWER FAN SHROUD, A/C CONDENSOR, SURGE TANK, HOSES, RADIATOR GUARD, BEARINGS FROM RADIATOR GUARD AND RADIATOR. DISASSEMBLED THE RADIATOR AND FOUND LEFT FAN GUARD WAS BROKEN. UPPER FAN GUARD BRACKET WAS BENT AND BOLTS WERE BROKEN. BOTH WERE REPLACED. THE RADIATOR ERODING GRID AND SUPPORT HARDWARE WAS MISSING. IT WAS REPLACED AND INSTALLED. THE UPPER CORE SUPPORT BRACKETS WERE BENT. SENT TO WELDING SHOP FOR REPAIRS. THE UPPER AND LOWER BAFFLES WERE MISSING AND THEY WERE INSTALLED. THE RADIATOR FRAME HAD MULTIPLE BROKEN BOLTS AND STRIPPED WELD NUTS. ALL WERE REMOVED AND REPLACED. RAN A TAP THRU REST OF THE WELD NUTS. THE CORES WERE SENT OUT FOR REPAIRS. THE RADIATOR GUARD WAS SENT TO THE MACHINE SHOP FOR REPAIRS. CLEANED AND SANDED THE BOTTOM RADIATOR TANK AND PAINTED. FOUR RADIATOR CORES WERE REPLACED. WHEN ALL COMPONENTS WERE RETURNED, ASSEMBLED TANK AND RADIATOR FRAME AND INSTALLED CORES. THE UPPER SUPPORT BRACKET HAD BEEN BENT PAST 90 DEGREES AND HAD TO BE BENT BACK TO THE CO
02/07/2006	Service	1651414	START-UP AND SITE TEST PLANETARY	UNBOLTED FINALS FROM CASE AND REMOVED. WHEN RETURNED, INSTALLED FINALS AND TORQUED ALL BOLTS TO SPECS.
02/07/2006	Service	1651414	START-UP AND SITE TEST BULLDOZER BLADE	ASSEMBLED BLADE AND CROSS BRACE. CONNECTED TO THE MACHINE. CONNECTED HOSE AND SHIMMED CROSS BRACE AND PUSH ARMS. DISCONNECTED BLADE FROM MACHINE.
02/07/2006	Service	1651414	REMOVE/REBUILD/REINSTALL UNDERCARRIAGE COMPLETE	UNBOLTED TRUNNIONS AND REMOVED RETAINERS AND E-BAR PINS. REMOVED ROLLER FRAMES AND FLIPPED. REMOVED ROLLERS, IDLERS AND SENT TO THE TRACK SHOP. REMOVED TELESCOPIC SECTIONS AND REMOVED TRACK ADJUSTERS. DISASSEMBLED CLEANED, RESEALED AND ASSEMBLED. REMOVED TELESCOPIC SEALS AND PIVOT SHAFT SEALS. CLEANED SEAL AREAS OFF AND RESEALED. INSTALLED NEW PIVOT SHAFT BEARINGS. REMOVED PIVOT SHAFT FROM CHASSIS AND REMOVED BEARINGS AND INSTALLED NEW, REINSTALLED PIVOT SHAFT. INSTALLED FRONT TELESCOPIC SECTION INTO MAIN SECTION. INSTALLED LOCKS, ROLLERS AND IDLERS. TORQUED ALL BOLTS TO SPECS. INSTALLED ROLLER FRAMES AND REPLACED ONE MINOR BOGIES AND THREE LARGE BOGIE PINS. DRILLED AND INSTALLED FIVE

02/07/2006	Service	1651414	REPAIR HYDRAULIC SYSTEM	<p>HELICOILS IN TRACK ADJUSTER COVER. INSTALLED TRACKS.</p> <p>THIS INCLUDES ALL HYDRAULIC HOSES & LINES PUMPS & MOTORS</p> <p>***** ?? REMOVED AND REPLACED ALL DAMAGED AND NON CAT HOSES. REPLACED OR REPAIRED MULTIPLE MOUNTING BRACKETS FRO TILT AND LIFT LINES. REMOVED CONTROL LINKAGE FOR LIFT AND TILT. REPLACED BEARINGS, SEALS AND ROD ENDS. REPLACED ALL RIPPER LINES. REMOVED HYDRAULIC TANK AND REPLACED DRAIN VALVE AND PLUGGED HOLES FOR TANK HEATER. WHILE RUNNING THE MACHINE, WAS UNABLE TO ADJUST THE HYDRAULIC PRESSURE. REMOVED THE POPPET VALVES AND FOUND THEY WERE NOT SHIMMED PROPERLY. THE POPPETS SHOWED SIGNS OF WEAR. REPLACED POPPETS, SPRINGS AND INSTALLED PROPER SHIMMS. THIS DID NOT CORRECT THE PROBLEM. DRAINED HYDRAULIC TANK AND REMOVED THE HOUSING FOR THE POPPET VALVES AND FOUND BOTH FLOW CONTROL VALVES WERE FROZEN UP. REMOVED THAT SECTION OF THE VALVE. REMOVED THE FLOW CONTROL VALVES AND POLISHED THE VALVES AND THE HOUSING. THIS FREED UP THE VALVES.</p>
02/07/2006	Service	1651414	REPAIR WARRANTY EXP-BCP - LCP	<p>REMOVED BATTERIES AND CABLES. REPLACED WITH NEW ONES. REMOVED RIGHT FENDER HARNESS AND REPLACED. REPLACED THE DISCONNECT SWITCH AND KEY START SWITCH. REPLACED RADIATOR GUARD HARNESSES AND INSTALLED MISSING HORNS. INSTALLED BACKUP ALARM. INSTALLED NEW HARNESS ON ROPS. INSTALLED LIGHTS.</p>
02/07/2006	Service	1651414	REPAIR MACHINE	<p>REMOVED RIPPER MOUNT BEARINGS FROM CHASSIS AND REPLACED. INSTALLED RIGHT ARM REST. WIPERS DID NOT WORK. REMOVED FUSES AND REPLACED THEM. THE WIPERS ALL WORKED EXCEPT ON THE LEFT DOOR. REMOVED DOOR PANEL AND WIPER MOTOR WAS MISSING AND ARM LINKAGE WAS SEIZED. REPLACED LINKAGE AND MOTOR. WIPERS ARE ALL WORKING. THE WINDOW WASHER DID NOT WORK. FOUND HARNESS WAS DAMAGED, REPLACED IT. WASHER BOTTLE HAD A HOLE IN THE BOTTOM AND REPLACED IT. REPAIRED HOSES AND REPLACED CHECKVALVES. THE DASH WAS BROKE. REMOVED COMPONENTS FROM THE OLD DASH AND INSTALLED INTO A NEW DASH. REPLACED HEAD LINER, SEAT CUSHIONS AND FLOOR MAT. REPAIRED ARM REST. THE FUEL LINES WERE RUN THROUGH THE CHASSIS AND TIED UP OFF OF WHAT EVER WAS AVAILABLE TO TIE OFF TO. INSTALLED NEW LIENS WITH THE PROPER CLIPS, SPACERS AND ROUGHTING. THE FUEL TANK HAD ONLY ONE BOLT AND HOME MADE TABS HOLDING THE FUEL TANK TO MACHINE. REMOVED TANK AND CUT OFF THE TABS. THE BOLTS WERE BROKE OFF IN THE TANK. THE TANK WAS SENT TO THE WELDING SHOP</p>
02/07/2006	Service	1651414	RESEAL LIFT/HOIST CYLINDER	<p>DISASSEMBLED BOTH CYL CLEANED AND INSPECTED ALL PARTS BOTH NEEDED HONED THEN RESEALED AND REASSEMBLED CYL TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.</p>
02/07/2006	Service	1651414	RESEAL RIPPER LIFT CYLINDER	<p>DISASSEMBLED BOTH CYL CLEANED AND INSPECTED.ALL PARTS THEN RESEALED AND REASSEMBLED BOTH CYL. TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.</p>
02/07/2006	Service	1651414	RESEAL RIPPER TILT CYLINDER	<p>DISASSEMBLED BOTH CYL CLEANED AND INSPECTED.ALL PARTS THEN RESEALED AND REASSEMBLED BOTH CYL. TESTED THEN CAPPED AND WRAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY,COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.</p>
02/07/2006	Service	1651414	WELD/BORE EYE (FP) UNDERCARRIAGE COMPLETE	

02/07/2006	Service	1651414	RECONDITION/OVERHAUL IDLER/IDLER WHEEL	
02/07/2006	Service	1651414	RESHELL TRACK ROLLER(S)	
02/07/2006	Service	1651414	REPAIR ZIEGLER GOODWILL CONSIDER	GRIND AND SAND FLUSH, REPAIRED SHEET METAL "HOOK" REPAIRED CRACK AND REPLACED DAMAGED METAL. REPACED WELD NUTS, STRIGHTENED BELLY PANS, REPLACED WELD NUTS ON COMPARTMENT DOOR.
02/07/2006	Service	1651414	WELD AND MACHINE LIFT/HOIST CYLINDER	WELD AND MACHINED TILT CYLINDER HYDRAULIC LINE PORT, FOUR BOLTS PER REQUEST.
02/07/2006	Service	1651414	RECONDITION/OVERHAUL ENGINE	DISASSEMBLED ENGINE TO FIND BLOCK HAD BEEN EPOXIED AROUND ALL WATER FERRALS.FRT COVER WAS DAMAGED WHERE BOLTS WERE LOOSE, HEUI DRIVE WAS CRACKED IN BEARING AREA. OIL PAN HAD OIL HEATERS IN IT THAT WASN'T A CAT MODIFICATION. FLYWHEEL NEEDED TO BE UPDATED. FILTER BASE WAS DAMAGED ALSO. ASSEMBLED ENGINE WITH REMAN CAT LONG BLOCK,INJECTORS,TURBO, ALL OIL COOLERS,WATER PUMP,OIL PUMP,HUEI PUMP.REPLACED ALL GASKETS, SEALS,FILTERS,BELTS,SENSORS,SWITCHES,HARNESSES,ALL NECESSARY HEAT SHIELDS,DAMPER,FLYWHEEL,FRT SHIELDS,DAMPER,FLYWHEEL,FRT COVER,OIL PAN AFTERCOOLER,HUEI PUMP DRIVE,HUEI PUMP GEARS, NEW ECM,NEW FILTER BASE,ALL HOSES,ALT,STARTER, AND MISSING FUMES TUBES ALONG WITH NEW BREATHERS.RAN ENGINE ON DYNO WHERE IT MET ALL SPECS.
02/07/2006	Service	1651414	RECONDITION/OVERHAUL TRANSMISSION	DISASSEMBLED THE TRANS AND ORDERED PARTS ACCORDING TO CAT CERTIFIED REBUILD STANDARDS. INSTALLED NEW BEARINGS, SEALS, AND GASKETS. INSTALLED NEW SOLENOIDS AND HARNESS FOR THE VALVES. INSTALLED NEW DISC IN THE WHOLE TRANSMISSION. AFTER ASSEMBLY. RAN THE TRANSMISSION ON THE TEST BENCH WHERE IT MET ALL CAT SPECS.
02/07/2006	Service	1651414	RECONDITION/OVERHAUL TORQUE DIVIDER	THE TORQUE WAS DISASSEMBLED AND INSPECTED. IT WAS FOUND THAT THE SEAL CARRIERS WERE WORN OUT FROM NORMAL WEAR. ALL THE SEALS AND BEARINGS WERE REPLACED ALONG WITH THE THRUST WASHERS.THE SET SCREW AND WASHER ON THE TURBINE WERE ALSO REPLACE. THE VALVES WERE CLEANED AND GIVEN A NEW SPRING AND ALL THE ELECTRONIC SENSORS WERE REPLACED. THE YOKE HAD TO BE METALIZED DUE TO WEAR FROM THE LIP SEAL. THE BOLT THAT HOLDS THE YOKE ON WAS REPLACED ALONG WITH THE RETAINING RING THAT HOLDS THE PLANETARY ON.
02/07/2006	Service	1651414	RECONDITION/OVERHAUL STEERING CLUTCH AND BRAKE	THE STEERING AND BRAKE ASSEMBLIES WERE REMOVED DISASSEMBLED AND INSPECTED FOR REPAIR. ONE SET OF BRAKE DISCS WERE DETERIORATED AND HAD TO BE REPLACED ALONG WITH ONE OF THE CLUTCH PLATES. ALL OF THE STEERING CLUTCH DISCS WERE REPLACED AS PART OF A CAT CERTIFIED REBUILD. BOTH STEERING CLUTCH PISTONS WERE FOUND TO BE DAMAGED AND HAD TO BE REPLACED. ALL SEALS, BEARINGS AND NECESSARY HARDWARE WERE REPLACED AS PART OF A CERTIFIED REBUILD. THE FINAL DRIVES WERE DISASSEMBLED AND INSPECTED. THE SEGMENT FLANGES AND BOLT HOLES HAD TO BE REPAIRED BY THE MACHINE SHOP. ALL BEARINGS, SEALS AND NECESSARY HARDWARE WERE REPLACED AS PART OF A CAT CERTIFIED REBUILD. THE STEERING, BRAKE AND FINALS WERE ALL ASSEMBLED USING CAT SPECIFICATIONS.
02/07/2006	Service	1651414	RESEAL RIPPER PIN PULLR CONT VLV	DISASSEMBLED CYL.CLEANED AND INSPECTED ALL PARTS. POLISHED ROD.RESEALED AND REASSEMBLED CYL.TESTED AND PAINTED THEN CAPPED TO PREVENT CONTAMINATION.
02/07/2006	Service	1651414	WELD AND MACHINE IMPLEMENTS	INSTALLED TRANSMISSION BUSHING ON SHAFTS FOR EACH TRANSMISSION. MIC ALL HOLES ON BLADE, PUSHARMS, TILT CYLINDERS, RIPPER FRAMES, CYLINDERS, SHANK, ETC. WELD AND MACHINED PUSHARM PIN BORES, PLATED BOTH PUSHARMS, WELD NEW BRACKETS AND END CAPS ON BOTH PUSHARMS. REMOVED BROKEN BOLTS AND FABRICATED GUARDS ON DIAGONAL BRACE AND STRAIGHTENED. WELD AND MACHINED ROD BEARING BORES ON BOTH TILT CYLINDERS, WELD AND MACHINED BOTH LIFT CYLINDER CONNECTOR BLOCKS. WELD AND MACHINED RIPPER FRAME SHANK PIN BORES. WELD AND MACHINED CENTER PIN BORE ON SHANK, WELD LOCKING RETAINER PLATE ON RIPPER FRAME. INSTALLED ALL BEARINGS AND SEALS.

02/07/2006	Service	1651414	WELD AND MACHINE RADIATOR GUARD	SET-UP TWO HARD-NOSE YOKES IN THE LATHE AND WELD UP THE DAMAGED BEARING AND SEAL AREAS. MACHINED BEARING AND SEAL AREAS TO CAT. SPECS.
02/07/2006	Service	1651414	WELD AND MACHINE RADIATOR GUARD	SET-UP AND REMOVED YOKE BEARINGS, SEALS AND MIC ALL OTHER BEARING BORES. INSTALLED ALL NEW BEARINGS, SEALS AND WELD A COUPLE OF SMALL CRACKS.
02/07/2006	Service	1651414	RESEAL TILT CYLINDER	DISASSEMBLED BOTH CYLS CLEANED AND INSPECTED ALL PARTS. HAD EYE BORES REPAIRED ON BOTH TUBES ALSO HAD 1 ROD RECHROMED REPLACED ALL BRGS. RESEALED AND REASSEMBLED CYL TESTED AND CAPPED TO PREVENT CONTAMINATION. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY, COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES NOT INCLUDE RESULTANT DAMAGE OR LABOR COSTS DUE TO PREMATURE FAILURE.
02/07/2006	Service	1651414	START-UP AND SITE TEST BULLDOZER BLADE	
02/07/2006	Service	1651414	RECONDITION/OVERHAUL* IMPLEMENT PUMP	
02/07/2006	Service	1651414	RECONDITION/OVERHAUL* TRANSMISSION OIL PUMP	THE TRANSMISSION OIL PUMP WAS DISASSEMBLED AND INSPECTED. THE BEARINGS WERE WORN AND WERE REPLACED. THE BEARING AREAS ON THE SHAFTS HAD LIGHT WEAR AND WERE HAND POLISHED TO REPAIR. THE ROLLER BEARING IN THE CAGE ASSEMBLY WAS WORN AND WAS REPLACED. ALL PUMP SURFACES WERE BUFFED TO REMOVED BURRS AND INSURE A UNIFORM SMOOTHNESS. THE RUBBER BUSHINGS IN THE PUMP COUPLING WERE DRY ROTTED AND MISALIGNED FROM WEAR. THE PUMP COUPLING WAS REPLACED. THE PUMP WAS CLEANED THOROUGHLY. THE CAGE RETAINING RING AND ALL SEALS WERE REPLACED. THE PUMP WAS REASSEMBLED. ALL BOLTS WERE TORQUED TO SPECIFICATIONS. THE PORTS WERE COVERED AND WRAPPED TO PREVENT CONTAMINATION. THE PUMP WAS DELIVERED TO THE MACHINE. WARRANTY COVERAGE-6 MONTHS/1000 HOURS ON WORKMANSHIP AND PARTS INSTALLED ONLY. IF THE FOLLOWING GUIDLINES ARE MET: SCHEDULED OIL SAMPLING AT RECOMMENDED INTERVALS, COMPONENT IS INSTALLED CORRECTLY, COMPONENT IS INSTALLED IN A CLEAN SYSTEM AS PER CAT SPECS WITH AN ISO READING OF 18/15. DOES N
02/07/2006	Service	1651414	RECONDITION/OVERHAUL* STEERING VALVE	
02/07/2006	Service	1651414	METALLIZE IMPLEMENT PUMP	SET-UP IMPLEMENT PUMP SHAFT IN THE LATHE AND METALLIZED THE DAMAGED SEAL AREA. MACHINED BEARING AND SEAL AREAS TO CAT SPECS.
02/07/2006	Service	1651414	WELD AND MACHINE EXHAUST MANIFOLD	SET-UP AND MODIFIED BOTH EXHAUST MANIFOLDS PER CAT SPEC. SET-UP HUE PUMP AT MILL MACHINE TO BE MODIFIED. THE FIRST HUE PUMP WAS CRACKED. DRILLED 1/4 HOLE AT 1.417 DEPTH. E'BORED .350 DIA AT .531 DEPTH AND TAPPED 5/16-18 PER SERVICE LETTER.
02/07/2006	Service	1651414	WELD AND MACHINE PUMP DRIVE/PTO DRIVE	SET-UP AND MADE MODIFY HUE PUMP DRIVE TO CAT SPEC. DRILLED THEN TAPPED HOLES AND COUNTER SUNK HOLES.
02/07/2006	Service	1651414	REPAIR AFTERCOOLER GROUP	SET-UP, DRILLED AND TAPPED ONE BOLT HOLE IN COOLEN HOUSING.
02/07/2006	Service	1651414	TRUCK 2475 BRIAN YOUNG EXHAUST MANIFOLD	SET-UP AND SURFACED BOTH EXHAUST MANIFOLDS TO CAT SPEC. IN SURFACE GRINDER.
02/07/2006	Service	1651414	WELD AND MACHINE FRT CVR/HSG USE 1162/1166	
02/07/2006	Service	1651414	WELD AND MACHINE ENGINE	WELD UP HOLES IN OIL PAN, WHERE THE OIL HEATER WAS LOCATED IN OIL PAN.
02/07/2006	Service	1651414	METALLIZE TRANSMISSION	SET-UP TRANSMISSION YOKE IN THE LATHE AND METALLIZED THE DAMAGED SEAL AREA. MACHINED SEAL AREA TO CAT SPEC.
02/07/2006	Service	1651414	WELD AND MACHINE TILT CYLINDER	GRIND FOUR FACES ON TUBE WHRE THEY HAD BEEN WELD. MACHINED ROD TO ACCEPT BEARING WHERE IT WAS WELD PER REQUEST.
02/07/2006	Service	1651414	MACHINE/GRIND/MILL FINAL DRIVE(S)	WELD UP CRACKS AND WORN SPOST ON HUBS.

02/07/2006	Service	1651414	REMOVE BRAKE & WHEEL SPINDLE HSG	REMOVED SPOOL FROM BROKE HOUSING TO BE MACHINED.
02/07/2006	Service	1651414	START-UP AND SITE TEST FINAL DRIVE(S)	
02/07/2006	Service	1651414	TOE ADJUSTMENT ENGINE AND TRANSMISSION	RAN THE MACHINE AND PERFORMED THE ENGINE PERFORMANCE TEST. CHECKED AND SET TORQUE OUTLET PRESSURE. FLASHED TRANSMISSION ECM AND PERFORMED BRAKE AND STEERING CLUTCH CALIBRATIONS. CHECKED POWER TRAIN PRESSURES. CHECKED FOR LEAKS AND NONE WERE FOUND.
02/07/2006	Service	1651414	WORK COMP PER. TRANSMISSION	GOT THE TRANSMISSION HOT AND CONNECTED MACHINE TO KIDNEY LOOP PUMP. RAN UNTIL TRANSMISSION OIL WAS IN SPEC. CONNECTED MACHINE TO HYDRAULIC TANK AND KIDNEY LOOPED HYDRAULIC OIL UNTIL CLEAN AND IN SPEC.
02/07/2006	Service	1651414	USED EQUIPMENT MACHINE	
12/29/2006	Service	0		
04/30/2007	Service	0	ADJUST TRANSMISSION & DRIVE LINE	
04/30/2007	Service	0	ADJUST TRANSMISSION & DRIVE LINE	
04/30/2007	Service	0	ADJUST HYDRAULIC PUMP, GEAR-TYPE	
04/30/2007	Service	0	ADJUST HYDRAULIC PUMP, GEAR-TYPE	
05/21/2007	Service	0	ADJUST VALVE COVER	
05/21/2007	Service	0	ADJUST VALVE COVER	
05/30/2007	Service	0	DIAGNOSTIC TEST TRANSMISSION & DRIVE LINE	
05/30/2007	Service	0	DIAGNOSTIC TEST NOZZLE(FUEL INJECTION)	
05/30/2007	Service	0	DIAGNOSTIC TEST TRANSMISSION & DRIVE LINE	
05/30/2007	Service	0	DIAGNOSTIC TEST NOZZLE(FUEL INJECTION)	
11/26/2007	Service	0	REMV-REPR FOR WARR-INSTL RACK POSITION SENSOR	
01/26/2008	Service	0	REPAIR FOR WARRANTY: STEERING CLTCH&BRK CTR VL	
01/26/2008	Service	0	REPAIR FOR WARRANTY: STEERING CLTCH&BRK CTR VL	
03/19/2008	Service	0	REMOVE, CLEAN, INSTALL TRACK SHOES	
03/19/2008	Service	0	SERVICE VEHICLE SPEED SENSOR	
03/19/2008	Service	0	AUTOMATIC WELD TRACK SHOES	
03/19/2008	Service	0	TURN/REPOSITION TRACK PINS & BUSHINGS	
03/19/2008	Service	0	REMOVE, CLEAN, INSTALL TRACK SHOES	
03/19/2008	Service	0	SERVICE VEHICLE SPEED SENSOR	
03/19/2008	Service	0	AUTOMATIC WELD TRACK SHOES	
03/19/2008	Service	0	TURN/REPOSITION TRACK PINS & BUSHINGS	
04/16/2008	Service	0	INSTALL ELECTRONICS	
04/28/2008	Service	0	REPAIR IMPLEMENTS	
07/08/2008	Service	0	REMV RECONDITION & INSTL IMPLEMENTS	
07/16/2008	Service	0	DIAGNOSTIC TEST FRAME	
08/21/2008	Service	0	REMV RECONDITION & INSTL	
08/21/2008	Service	0	REPAIR IMPLEMENTS	
11/18/2008	Service	0	REPAIR IMPLEMENTS	

12/09/2008	Service	0	REPAIR LIFT/HOIST CYLINDER
01/05/2009	Service	0	INSPECT LIFT/HOIST CYLINDER
01/05/2009	Service	0	INSPECT LIFT/HOIST CYLINDER
02/13/2009	Service	0	REPAIR FUEL SYSTEM
02/13/2009	Service	0	REPAIR FUEL SYSTEM
10/16/2009	Service	0	REPAIR CYLINDER HEAD ASSEMBLY
10/16/2009	Service	0	VPR REPAIR-MINOR
10/16/2009	Service	0	WARRANTY USE FEE
10/16/2009	Service	0	TUNE-UP B #5
10/16/2009	Service	0	REPAIR CYLINDER HEAD ASSEMBLY
10/16/2009	Service	0	VPR REPAIR-MINOR
10/16/2009	Service	0	WARRANTY USE FEE
10/16/2009	Service	0	TUNE-UP B #5
11/25/2009	Service	0	TEST/CHECK, ADJUST CYLINDER HEAD ASSEMBLY
04/23/2010	Service	10000	INSTALL CYLINDER HEAD ASSEMBLY
04/27/2010	Service	0	REPAIR NON-CAT HYD CYLINDER

Configuration

Configuration Code	Price List	Description
1017771	MAC1	PIN PULLER CONTROL
1122895	MAC1	ROPS CAB
1162482	MAC1	AIR CONDITIONER
1177091	MAC1	HYDRAULICS, RIPPER
1263938	MAC1	FAST FUEL
1311722	MAC1	FAST OIL CHANGE
1313925	MAC1	ENGINE ENCLOSURE
1275783	MAC1	10SU ABRASION BASIC DOZER BLADE
1162586	MAC1	D10 SINGLE SHANK RIPPER

PIP / PSP

Start Date	End Date	PIP No.	PIP Type	Hrs Req.	Description	Status
11/10/1997	04/30/2003	PS5378	A	6.00	HEUI HYDRAULIC PUMP GROUP	Expired
06/27/1998	06/30/2000	PS4497	C	4.00	HEUI HYDRAULIC PUMP	Expired
02/21/1999	08/31/2000	PS4734	C	1.50	OIL CHANGE GROUP	Expired
07/10/1999	01/31/2001	PS5657	A	14.00	IMPROVE FAN SPEED	Expired
02/10/2000	02/28/2001	PS5651	A	24.00	REPLACE CYLINDER PACKS	Expired
03/15/2000	11/30/2001	PS40071	C	8.00	UPDATING THE FAN DRIVE	Expired
06/23/2000	06/30/2001	PS40201	C	1.00	PRECLEANERS ON D10R	Expired
03/03/2001	03/31/2002	PS50181	A	50.00	REPLACE ROD BEARINGS	Expired

05/15/2002	05/31/2004	PS50411	A	50.00	REPLACE CYLINDER PACKS	Expired
05/24/2002	05/31/2004	PS50420	A	40.00	REPAIR FLYWHEEL HOUSING JOINT LEAK	Expired
05/25/2002	05/31/2004	PS50410	A	5.00	REPLACE EXHAUST MANIFOLD STUDS	Expired
05/27/2002	05/31/2004	PS50414	A	8.00	REPLACE HEUI PUMP DRIVE	Expired
06/09/2002	06/30/2004	PS50413	A	8.00	REPLACE HEUI PUMP GROUP	Expired
07/28/2002	07/31/2005	PS20042	A	30.00	REPLACE IMPLEMENT PUMPS	Expired
08/03/2002	08/31/2004	PS50424	A	6.00	REPLACE FAILED HEUI INJECTORS	Expired
08/31/2004	08/31/2007	PS50858	A	30.00	REPLC.VANE IMPL PUMP W/GEAR PUMP	Expired
12/18/2008	12/31/2010	PS51609	A	10.00	Replacing the dual tilt cylinder piston	Expired
01/08/2009	01/31/2010	PS51613	A	24.00	Replacing final drive spindle on certain	Expired
12/22/2009	12/31/2012	PS51784	A	6.00	Repairing d3:c4 nav 10.4 displays (239-9	Expired
12/23/2009	12/31/2011	PS51787	A	24.00	Replacing final drive spindle on certain	Expired
02/10/2010	02/29/2012	PS51806	A	2.00	Track joint failures on certain d10n, d1	Expired
03/30/2010	07/31/2011	PS43063	C	12.00	Reworking the 238-9851 and 320-3055 trac	Expired
04/30/2010	04/30/2014	PS51833	A	8.00	Replacing master links on certain d10t,	Expired
01/10/2011	01/31/2013	PS51968	A	4.00	Replacing the second reduction planet ge	Expired
01/25/2011	01/31/2013	PS51975	A	1.00	Replacing the refrigerant compressor on	Expired

Historical Warranty

Product Code	Description	Start Date	End Date	Start Hours	End Hours
CERT	CCR/CPT/CMCR PARTS WRRNTY	02/15/2006	08/15/2006	0	0