



Work Order: 12175

EB10-81

Description: Inspection and Repairs	GRO-8703/8738/8739/8740/8376	Date Started: 2021-06-03
Equipment: E638 Caterpillar 14M Grader	9713 Hours	
	RD-2021-192 Insheet	
	RD-2021-230 Outsheet	
Serial#: CAT0014MCR9J00476		

Segment: 1 Parts and Service

1L - Washer Fluid

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
755	06/21/21	AP	Vendor: 10132 Gregg Distributors LP 059-374556 Line: 1		EA	3.000	8.17	24.51
816	07/08/21	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947571530 Line: 2		LS	0.000	0.00	30.43
827	07/07/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6233760.001 Line: 1		LS	0.000	0.00	9.90
863	06/21/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6215304.001 Line: 1		EA	4.000	70.20	280.78
1406	06/29/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6225314.001 Line: 1		LS	0.000	0.00	66.12
1732	07/02/21	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947568454 Line: 1		EA	1.000	164.50	164.50
2043	06/24/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6220620.001 Line: 1		LS	0.000	0.00	307.74
2044	06/07/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6198476.001 Line: 1		LS	0.000	0.00	204.79
3	07/02/21	EMParts	2350355 Seal Kit		EA	1.000	216.48	216.48
4	07/02/21	EMParts	3856139 Insert-Bearing		EA	2.000	30.74	61.48
5	07/02/21	EMParts	6E4975 Head Assembly-Cylinder		EA	1.000	608.52	608.52
56	06/04/21	EMParts	2559331 Ring-Wear		EA	2.000	261.06	522.12
57	06/04/21	EMParts	2669727 Gasket-Tandem Side Cover		EA	4.000	5.23	20.92
67	08/04/21	EMParts	1491912 Filter-Cab Air		EA	1.000	18.12	18.12
551	08/13/21	EMParts	60/40 Rad-Cool Antifreeze		EA	6.000	5.74	34.46
552	08/13/21	EMParts	Oil All Hydraulic Oil 10W30		EA	5.000	4.24	21.20
553	08/13/21	EMParts	TO4 Spectra Xtreme TO-4 All season		EA	9.000	5.48	49.31
588	06/18/21	EMParts	1135304 Seal		EA	2.000	30.91	61.82
589	06/18/21	EMParts	2242675 Seal		EA	1.000	17.32	17.32
590	06/18/21	EMParts	2274892 Gasket		EA	1.000	13.25	13.25
591	06/18/21	EMParts	2489337 Spacer-Blade Tip		EA	2.000	67.23	134.46
592	06/18/21	EMParts	2589981 Spacer		EA	2.000	29.47	58.94
593	06/18/21	EMParts	2D8652 Bearing		EA	2.000	34.09	68.18
594	06/18/21	EMParts	3411429 Seal-T-Stat		EA	2.000	12.92	25.84
595	06/18/21	EMParts	3E6785 Seal-O-Ring		EA	1.000	36.14	36.14
596	06/18/21	EMParts	4D0298 Bearing-Blade Tip		EA	2.000	92.50	185.00
597	06/18/21	EMParts	5K9090 Seal-O-Ring		EA	1.000	2.09	2.09
598	06/18/21	EMParts	5S9134 Seal-O-Ring		EA	1.000	43.47	43.47
599	06/18/21	EMParts	6D4244 Clamp-P		EA	4.000	10.24	40.96
600	06/18/21	EMParts	6J2680 Seal-O-Ring		EA	1.000	5.71	5.71
601	06/18/21	EMParts	6V3908 Seal-O-Ring		EA	2.000	40.80	81.60
602	06/18/21	EMParts	7M8485 Seal-O-Ring		EA	1.000	2.97	2.97
603	06/18/21	EMParts	8W8513 Pin-Blade Tip		EA	2.000	207.45	414.90
698	06/21/21	EMParts	3026331 Strip-Wear Circle Top		EA	6.000	35.37	212.22
699	06/21/21	EMParts	3086303 Strip-Wear Circle Side		EA	6.000	72.76	436.56
701	06/22/21	EMParts	4M0189 Seal-O-Ring		EA	1.000	7.59	7.59
702	06/22/21	EMParts	2602989 Shim Pack-Final Drive		EA	1.000	225.96	225.96
759	06/22/21	EMParts	3464897 Seal-O-Ring		EA	1.000	20.42	20.42
760	06/22/21	EMParts	6V5134 Seal-O-Ring		EA	1.000	19.95	19.95
1142	06/29/21	EMParts	2G9793 Gasket-Tandem Cover		EA	2.000	11.34	22.68
1143	06/29/21	EMParts	2M9780 Seal-O-Ring		EA	1.000	1.52	1.52



Work Order: 12175

1144	06/29/21	EMParts	3289668 Washer-Trust	EA	1.000	386.84	386.84
1145	06/29/21	EMParts	3307851 Seal-Lip Type	EA	1.000	340.00	340.00
1146	06/29/21	EMParts	3F1396 Bearing-Cone	EA	1.000	256.55	256.55
1147	06/29/21	EMParts	3K0360 Seal-O-Ring	EA	1.000	1.10	1.10
1148	06/29/21	EMParts	6G1667 Master Link-Chain Drive	EA	2.000	69.71	139.42
1149	06/29/21	EMParts	6G3207 Washer-Thrust	EA	1.000	400.80	400.80
1150	06/29/21	EMParts	9L5650 Seal-O-Ring	EA	1.000	26.00	26.00

Labour Total	0.00
Parts Total	6,331.64
Miscellaneous Total	0.00

Segment: 2 Inspections

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
36	06/02/21	PR	Employee: 2471 Greg Royer		HRS	2.000		
711	07/22/21	PR	Employee: 2611 Matthew Walter		HRS	2.500		

Labour Total	4.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Wash and Clean

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
712	07/23/21	PR	Employee: 2623 Brenton Woolman		HRS	5.000		
1242	07/26/21	PR	Employee: 2623 Brenton Woolman		HRS	1.500		

Labour Total	6.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 T/S and repair leaks

Cover above Starter leaking.
 Injector harness into valve cover leaking.
 Transmission leaking at suction tube off differential.
 Fan motor hose's need replacing.
 Steering Cylinder hose and clamps need replacing.
 Wheel lean hose's damaged.
 Blade tilt and side shift hose's need replacing.
 R/H Final Drive Leaking.
 Engine oil cooler leaking at block.
 Hose's running along A-Frame by swing damaged.
 L/H Circle lift cylinder leaking and R/H Seeping.
 Damaged hose's in articulation.
 Circle hose's held in with mechanic's wire.
 Circle swing cylinder hose's need replacing.



Work Order: 12175

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
30	07/05/21	PR	Employee: 2395 Nickolas Schou		HRS	7.500		
37	06/02/21	PR	Employee: 2471 Greg Royer		HRS	1.000		
57	07/06/21	PR	Employee: 2395 Nickolas Schou		HRS	2.000		
230	07/08/21	PR	Employee: 2395 Nickolas Schou		HRS	1.000		
231	07/09/21	PR	Employee: 2395 Nickolas Schou		HRS	2.000		
795	06/15/21	PR	Employee: 2395 Nickolas Schou		HRS	4.500		
796	06/16/21	PR	Employee: 2395 Nickolas Schou		HRS	9.500		
797	06/17/21	PR	Employee: 2395 Nickolas Schou		HRS	5.500		
798	06/18/21	PR	Employee: 2395 Nickolas Schou		HRS	9.500		
799	06/21/21	PR	Employee: 2395 Nickolas Schou		HRS	6.000		
986	06/22/21	PR	Employee: 2395 Nickolas Schou		HRS	9.500		
987	06/23/21	PR	Employee: 2395 Nickolas Schou		HRS	5.500		
2125	06/28/21	PR	Employee: 2395 Nickolas Schou		HRS	3.000		
2126	06/30/21	PR	Employee: 2395 Nickolas Schou		HRS	2.500		

Labour Total	69.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Repair Lights and wiring

Clean up battery terminals.
Rear brake and signal lights not all led's light up.
Beacon held on by zip tie's.
L/H Cab light smashed and R/H Cracked.
Repair radar being held on with zip ties, rubber mounts broken.

Remove radar and broken rubber mounts. Bolt radar directly onto bracket. Had to remove bracket from machine in order to access room to get hardware installed. Reinstall all parts and secure wiring harnesses.
-Paul

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
800	06/21/21	PR	Employee: 2395 Nickolas Schou		HRS	3.000		
1243	07/26/21	PR	Employee: 1575 Paul Nixon		HRS	2.500		

Labour Total	5.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Check, Adjust Fluids and Pressures

Engine oil over full.
Check and adjust tire pressure's.

Segment: 7 Check, repair, adjust Circle and Blade



Work Order: 12175

Side Shift Shim and wear pads worn.
 Ripper teeth, cutting edge and corner edges worn.
 Circle needs adjustment, worn pads inside.
 Blade tilt pins, bushings and shims.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
31	07/05/21	PR	Employee: 2395 Nickolas Schou		HRS	2.000		
58	07/06/21	PR	Employee: 2395 Nickolas Schou		HRS	2.000		
988	06/23/21	PR	Employee: 2395 Nickolas Schou		HRS	4.000		
2127	06/30/21	PR	Employee: 2395 Nickolas Schou		HRS	7.000		

Labour Total	15.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 Repair Panels, Doors and Wipers

Ashtray in cab.
 All Doors and compartments door handle's need lube.
 L/H access step loose.
 L/F Wiper need's replacing.
 Front wiper spray does not work.
 Rear wiper spray does not work.
 R/H Door wiper blade need's replacing.
 Fire Extinguisher mounted in a bad spot.
 Loose clamp by exhaust muffler on compartment divider.
 Proximity mount below b/u came loose and damaged.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
59	07/06/21	PR	Employee: 2395 Nickolas Schou		HRS	3.000		
801	06/21/21	PR	Employee: 2395 Nickolas Schou		HRS	0.500		

Labour Total	3.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 9 Replace Steering cylinder bearing's

Labour Total	104.00
Parts Total	6,331.64
Miscellaneous Total	0.00

Description: Inspections and Repairs
Equipment: E638 Caterpillar 14M Grader
Serial#: CAT0014MCR9J00476

10291 Hours
 RD-2022-125 Insheet
 EM-2022-106 Outsheet
 10497 Hours.

Date Started: 2022-03-15



Work Order: 12908

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
523	03/17/22	AP	Vendor: 10111 Finning (Canada) a division of Finning International 948126593 Line: 2		EA	1.000	896.39	896.39
524	03/26/22	AP	Vendor: 10111 Finning (Canada) a division of Finning International 985065388 Line: 1		EA	1.000	-896.39	-896.39
1087	03/17/22	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6496208.001 Line: 1		EA	4.000	59.47	237.87
2267	03/27/22	AP	Vendor: 10401 RBC Avion Visa Mar 22_Lance D Line: 9		EA	1.000	119.99	119.99
348	03/15/22	EMParts	1466433 Wiper Blade-20"		EA	3.000	43.96	131.88
349	03/15/22	EMParts	6V5851 Wiper Blade-16"(400mm)		EA	1.000	45.38	45.38
414	03/22/22	EMParts	4461523 Wear Strip		EA	2.000	73.36	146.71
415	03/22/22	EMParts	4J1888 Cotter Pin (3/8"x5")		EA	4.000	1.69	6.76
416	03/22/22	EMParts	5F3715 Nut-Slotted		EA	4.000	88.12	352.48
417	03/22/22	EMParts	6G4831 Shaft		EA	2.000	525.33	1,050.66
418	03/22/22	EMParts	8F9516 Seal-O-Ring		EA	2.000	9.01	18.02
419	03/22/22	EMParts	8W4167 Bushing/Bearing		EA	8.000	68.11	544.90
445	04/20/22	EMParts	2350355 Seal Kit		EA	1.000	216.48	216.48
446	04/20/22	EMParts	4H7869 Gasket		EA	1.000	4.59	4.59
469	03/24/22	EMParts	6V0890 Starter (237-1962/TS-1843/201-		EA	1.000	497.71	497.71
518	03/28/22	EMParts	4547807 Step		EA	1.000	126.55	126.55
519	03/28/22	EMParts	5K1078 Seal-Duo-Cone		EA	2.000	200.44	400.88
520	03/28/22	EMParts	20R9763 Rod Assembly		EA	1.000	667.34	667.34
521	03/28/22	EMParts	2534627 Wear Strips		EA	2.000	115.22	230.44
522	03/28/22	EMParts	2534628 Wear Strips		EA	2.000	81.80	163.60
966	03/29/22	EMParts	2385081 Seal-O-Ring		EA	1.000	9.54	9.54
967	03/29/22	EMParts	2812725 Check Valve-Fuel		EA	1.000	57.12	57.12
1012	03/30/22	EMParts	1999907 Strainer-Fuel		EA	1.000	125.03	125.03
1013	03/30/22	EMParts	75W90 Certop SN 75W90 Gear Lube		EA	7.500	9.48	71.09
1014	03/30/22	EMParts	Dyed Diesel Dyed Diesel		EA	181.700	1.18	214.82
1015	03/30/22	EMParts	TO4 Spectra Xtreme TO-4 All season		EA	3.000	6.20	18.60

Labour Total	0.00
Parts Total	5,458.44
Miscellaneous Total	0.00

Segment: 2 Insheet and Outsheet Inspection

Insheet inpection.

Outsheet - replace fuel system. Check valve for better starting.

-Top up fluids. Check over.

- Run/test.

- Top up fuel.

- Pictures.

- Park up front.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
804	03/14/22	PR	Employee: 2611 Matthew Walter		HRS	3.000		
2023	03/29/22	PR	Employee: 1575 Paul Nixon		HRS	2.000		
2024	03/30/22	PR	Employee: 1575 Paul Nixon		HRS	1.500		



Work Order: 12908

Labour Total	6.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Wash and Clean Cab

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
805	03/15/22	PR	Employee: 2623 Brenton Woolman		HRS	9.500		
2022	03/28/22	PR	Employee: 2623 Brenton Woolman		HRS	3.000		

Labour Total	12.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 T/S and Repair leaks

*R/H Lift Cylinder Leaking.
 Blade Shift Cylinder Leaking.
 Circle Shift Cylinder leaking.
 Hose's to blade shift in center damaged, hose tie broken.
 Front steering cylinders leaking.
 Coolant leak @ top rad hose to engine.
 Hyd. leak @ Rear in front of rads.
 Both front wheel seals leaking.
 Sweating O-Ring @ F/L to Steering Cylinder.
 Leaking line to L/H Articulation Cylinder and Damage on same line.
 L/H Bottom rear filter leaking.
 Hose Marked X leaking @ Crimp, Hose twisted and cracked to Blade shift.
 Injector harness seal into valve cover riser leaks.
 Add hose wrap to hoses and install new hoses at blade tilt cylinder/
 shift cylinder.
 Reseal circle shift cylinder with new rod. Once complete, paint rod
 end and barrel area that got burnt driving.
 Install new ball seqs and gasket with starter install. Reconnect all
 clamps and harnesses removed to gain access.
 - Complete duo cone seal install on right side. Remove left side
 and install new duo cone. Install wheels and fill holes with oil.
 - Start removing damaged hoses at blade tilt and swivel joint.
 - Removed leaking cylinder at circle side shift. Split cylinder down
 on a bench. Found rod had chrome damage. Will replace rod.
 - Install circle shift cylinder and reconnect lines/clamps.
 - Replaced seals on hoses that were seeping. Removed fitting.
 Removed right side wheel and separate wheel hub to replace duo
 cone. Clean up parts. Clean off around starter and remove. Split
 nose cone section to find bushing and shaft is worn. Send out to
 be replaced/repared.
 Adjust tire pressures and pull unit out to verify repairs and
 check over unit. Unit running well with repairs verified.*

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
806	03/16/22	PR	Employee: 2471 Greg Royer		HRS	5.500		
809	03/17/22	PR	Employee: 2471 Greg Royer		HRS	2.500		
811	03/18/22	PR	Employee: 2471 Greg Royer		HRS	2.500		



Work Order: 12908

2014	03/21/22	PR	Employee: 2471 Greg Royer	HRS	1.000
2016	03/22/22	PR	Employee: 2471 Greg Royer	HRS	6.000
2019	03/24/22	PR	Employee: 2471 Greg Royer	HRS	7.500
2020	03/25/22	PR	Employee: 2471 Greg Royer	HRS	2.000

Labour Total	27.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Check, Adjust Mold-Board and Circle

Lots of play between circle frame and blade frame pins.
 Blade Brass Bushing for mold board cracked both sides @ Top.
 Check Circle Adjustment.
 Service Gear Box.
 Blade shift/slide bushings replacement.
 Remove blade shift wear pads. Had to grind down bolts that were mushroomed and fight with blade. Start installing.
 Separate blade from mudboard. Had to torch off pin nuts in order to remove pins. Used torch to heat up bushings and air hammer them out. Clean up bushing bores and install new bushings.
 Use torch to cut nut off pin to use washers. Install new pins and shim as needed. Install new pin nuts and cotter pins.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
807	03/16/22	PR	Employee: 2471 Greg Royer		HRS	3.500		
810	03/17/22	PR	Employee: 2471 Greg Royer		HRS	2.500		
2015	03/21/22	PR	Employee: 2471 Greg Royer		HRS	8.500		
2017	03/22/22	PR	Employee: 2471 Greg Royer		HRS	3.000		

Labour Total	17.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repair Panels, wipers and sun shades

Bottom Step Bent.
 Lube Handles on engine bay doors.
 L/H & R/H top, R/H and Rear Wiper Blades needs replacing.
 Sun Shade for rear window not attached.
 Replaced a couple of wiper blades.
 Re-install rear sun shade. Ensure other fasteners are tight.
 Install heat shield to compartment door where turbo heat was melting decal.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
808	03/16/22	PR	Employee: 2471 Greg Royer		HRS	0.500		
2018	03/22/22	PR	Employee: 2471 Greg Royer		HRS	0.500		
2021	03/25/22	PR	Employee: 2471 Greg Royer		HRS	1.000		



Work Order: 12908

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 T/S and Repair Codes

36-E360(3)
 36-E362(2)
 36-E361(2)
 82-1482-4
 82-2151-3
 82-2153-3
 82-2154-3
 82-2155-3
 82-2156-3

Labour Total	65.50
Parts Total	5,458.44
Miscellaneous Total	0.00

Description: Inspections and Repairs	11534 Hours	Date Started: 2023-11-07
Equipment: E638 Caterpillar 14M Grader	next service hours 11604	
	GRO#10953	
	RD-2023-304 Insheet	
Serial#: CAT0014MCR9J00476	RD-2024-100 Outsheet	

Segment: 1 Parts

1X ether bottle
 .5 I X washer fluid

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
438	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232926 Line: 1		EA	2.000	331.25	662.50
439	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232926 Line: 2		EA	2.000	55.28	110.56
440	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232927 Line: 1		EA	-2.000	55.28	-110.56
1746	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232926 Line: 3		EA	-2.000	331.25	-662.50
1747	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232926 Line: 4		EA	-2.000	55.28	-110.56
1748	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232926 Line: 5		EA	2.000	331.25	662.50
1749	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232926 Line: 6		EA	2.000	55.28	110.56
1750	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232927 Line: 2		EA	2.000	55.28	110.56
1751	07/23/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232927 Line: 3		EA	-2.000	55.28	-110.56
2002	01/29/24	AP	Vendor: 10401 RBC Avion Visa Jan 24_L Dahl Line: 28		LS	0.000	0.00	176.00
53	01/04/24	EMParts	60/40 Rad-Cool Antifreeze		EA	0.500	6.38	3.19
54	01/04/24	EMParts	TO4 Spectra Xtreme TO-4 All season		EA	0.000	6.41	0.00
771	11/21/23	EMParts	7N0296 Ether Cyinder-18oz		EA	1.000	118.44	118.44
857	11/21/23	EMParts	1323056 Seal		EA	1.000	14.41	14.41
858	11/21/23	EMParts	2413868 Tank as		EA	1.000	2,432.16	2,432.16
859	11/21/23	EMParts	3J1907 Seal-O-Ring		EA	1.000	2.32	2.32
860	11/21/23	EMParts	7M8485 Seal-O-Ring		EA	2.000	3.24	6.47
861	11/21/23	EMParts	9R9925 Filter		EA	1.000	11.70	11.70
914	12/20/23	EMParts	5T8365 Wear Strip		EA	2.000	115.44	230.88
971	12/21/23	EMParts	2452861 Hood-R/H Corner Assembly		EA	1.000	1,022.55	1,022.55
1006	11/27/23	EMParts	3584889 Filter-Ether		EA	1.000	15.35	15.35
1007	11/27/23	EMParts	7N9801 Gasket		EA	1.000	0.84	0.84



Work Order: 14485

PO - Open - #1027908 - 10321 4D1010 Battery
 PO - Open - #1027908 - 10321 Core charge
 PO - Open - #1027908 - 10321 Core credit

EA	2.00	331.25	662.50
EA	2.00	55.28	110.56
EA	-2.00	55.28	-110.56

Labour Total	0.00
Parts Total	5,359.31
Miscellaneous Total	0.00

Segment: 2 Inspections

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1137	07/24/24	PR	Employee: 3108 Zachary Dean		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Wash

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1136	07/23/24	PR	Employee: 2623 Brenton Woolman		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Repair Leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1360	11/14/23	PR	Employee: 3108 Zachary Dean		HRS	6.000		
1361	11/15/23	PR	Employee: 3108 Zachary Dean		HRS	9.500		
1362	11/16/23	PR	Employee: 3108 Zachary Dean		HRS	5.000		
1363	11/17/23	PR	Employee: 3108 Zachary Dean		HRS	9.500		
1364	11/20/23	PR	Employee: 3108 Zachary Dean		HRS	8.500		

Labour Total	38.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Adjust circle

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
553	12/05/23	PR	Employee: 3108 Zachary Dean		HRS	3.000		
2372	11/27/23	PR	Employee: 3108 Zachary Dean		HRS	8.500		



Work Order: 14485

2373 11/28/23 PR Employee: 3108 Zachary Dean HRS 7.000

Labour Total	18.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repair hood cracks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
554	12/07/23	PR	Employee: 3108 Zachary Dean		HRS	0.500		
555	12/08/23	PR	Employee: 3108 Zachary Dean		HRS	1.500		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Replace battery

Labour Total	60.50
Parts Total	5,359.31
Miscellaneous Total	0.00

Description: Rental Return Emsco	11534 Hours	Date Started: 2023-11-07
Equipment: E638 Caterpillar 14M Grader	RD-2023-304 Insheet RD-2024-100 Outsheets	
Serial#: CAT0014MCR9J00476		

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
866	11/21/23	EMParts	2500366 Cleaner GP-A		EA	1.000	1,938.91	1,938.91
867	11/21/23	EMParts	Dyed Diesel Dyed Diesel		EA	465.980	1.49	692.42
1032	11/27/23	EMParts	1491912 Filter-Cab Air		EA	1.000	31.54	31.54
1033	11/27/23	EMParts	1R0762 Filter-Fuel Advanced Efficiency		EA	1.000	34.25	34.25
1034	11/27/23	EMParts	1R1808 Filter-Oil Advanced Efficiency		EA	1.000	40.55	40.55
1035	11/27/23	EMParts	2112660 Filter-Cab Air		EA	1.000	23.24	23.24
1036	11/27/23	EMParts	2453818 Filter-Air Primary		EA	1.000	66.51	66.51
1037	11/27/23	EMParts	3261644 Filter-Fuel / Water Separator		EA	1.000	42.40	42.40

Labour Total	0.00
Parts Total	2,869.82
Miscellaneous Total	0.00

Segment: 2 Wash and Clean Cab



Work Order: 14486

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1445	12/18/23	PR	Employee: 2623 Brenton Woolman		HRS	8.500		
1446	12/19/23	PR	Employee: 2623 Brenton Woolman		HRS	5.000		

Labour Total 13.50

Parts Total 0.00

Miscellaneous Total 0.00

Labour Total 13.50

Parts Total 3,532.32

Miscellaneous Total 0.00

Description: Inspections, 4000 hour service and repairs
Equipment: E638 Caterpillar 14M Grader
Serial#: CAT0014MCR9J00476

11955 Hours
RD-2024-220 Insheet
RD-2024-234 Outsheets

Date Started: 2024-11-12

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
224	12/02/24	AP	Vendor: 10407 Onsite Machining Solutions Ltd. 5687 Line: 1	LS		0.000	0.00	455.50
456	11/19/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7625537.001 Line: 1	LS		0.000	0.00	225.70
813	11/22/24	AP	Vendor: 32459 Fountain Tire (004C00013647) 048149372 Line: 1	LS		0.000	0.00	199.44
1019	12/27/24	AP	Vendor: 10401 RBC Avion Visa Dec 24/Lance Line: 2	LS		0.000	0.00	248.97
79	12/09/24	EMP	60/40 Rad-Cool Antifreeze	EA		4.000	2.29	9.15
80	12/09/24	EMP	75W90 Certop SN 75W90 Gear Lube	EA		11.000	10.27	112.94
81	12/09/24	EMP	Oil All Oil All Xtreme 10W30	EA		196.000	4.41	863.80
82	12/09/24	EMP	TO4 Spectra Xtreme TO-4 MG All Sea	EA		150.000	24.41	3,661.38
118	11/13/24	EMP	1300229 Seal-O-Ring	EA		2.000	48.78	97.56
119	11/13/24	EMP	1G8878 Filter-Hydraulic	EA		1.000	62.82	62.82
120	11/13/24	EMP	2453819 Filter-Air Secondary	EA		1.000	55.02	55.02
121	11/13/24	EMP	3283655 Filter-P/T Advanced Efficiency	EA		1.000	99.86	99.86
122	11/13/24	EMP	3383540 Filter-Hydraulic Ultra High Ef	EA		1.000	128.99	128.99
123	11/13/24	EMP	3E6785 Seal-O-Ring	EA		1.000	50.64	50.64
124	11/13/24	EMP	3K0360 Seal-O-Ring(2.21x16.36mm 90A N	EA		2.000	2.61	5.22
125	11/13/24	EMP	4H6112 Breather-Tandem	EA		2.000	29.02	58.04
126	11/13/24	EMP	8F9516 Seal-O-Ring	EA		2.000	13.82	27.64
127	11/13/24	EMP	8L2786 Seal-O-Ring	EA		1.000	12.92	12.92
128	11/13/24	EMP	9G5127 Breather-Power Train	EA		1.000	25.73	25.73
150	11/13/24	EMP	5C8811 Wiper Blade-20"(500mm)	EA		1.000	9.85	9.85
151	11/13/24	EMP	2295711 Seal-Valve Cover	EA		1.000	262.93	262.93
453	11/21/24	EMP	1038133 Receptacle Kit-Injector Harnes	EA		1.000	91.84	91.84
471	11/25/24	EMP	2220345 Seat Belt-3"	EA		1.000	506.00	506.00

Labour Total 0.00

Parts Total 7,271.94

Miscellaneous Total 0.00



Work Order: 15149

Segment: 2 Inspections

*Outsheet unit.
Trans oil overfilled, drain off excess.
Rinse radiators, remove guards to access rads better.
Wash floor mat.
Install washer/cotter pins for engine door prop rods.
Park unit up front.
-Paul*

Segment: 3 Wash

Segment: 4 4000 Hour Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
692	11/20/24	PR	Employee: 3108 Zachary Dean		HRS	9.500		
693	11/21/24	PR	Employee: 3108 Zachary Dean		HRS	9.500		
694	11/22/24	PR	Employee: 3108 Zachary Dean		HRS	5.000		
						Labour Total	24.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 5 Repair Circle

Segment: 6 Repair Bolts, wipers, Lights, Brackets,

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1477	11/25/24	PR	Employee: 3108 Zachary Dean		HRS	4.500		
						Labour Total	4.50	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 7 Repair Leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
691	11/19/24	PR	Employee: 3108 Zachary Dean		HRS	9.500		
						Labour Total	9.50	
						Parts Total	0.00	
						Miscellaneous Total	0.00	



Work Order: 15149

Segment: 8 Rotate Tires

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1478	11/28/24	PR	Employee: 3108 Zachary Dean		HRS	2.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00
Labour Total	40.50
Parts Total	7,934.44
Miscellaneous Total	0.00

Description: Rental Return-Emsco	11955 Hours	Date Started: 2024-11-12
Equipment: E638 Caterpillar 14M Grader	RD-2024-220 Insheet RD-2024-234 Outsheets	
Serial#: CAT0014MCR9J00476		

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
109	11/12/24	EMParts	1491912 Filter-Cab Air		EA	1.000	47.60	47.60
110	11/12/24	EMParts	1R0762 Filter-Fuel Advanced Efficiency		EA	1.000	34.57	34.57
111	11/12/24	EMParts	1R1808 Filter-Oil(Advanced Efficiency		EA	1.000	41.80	41.80
112	11/12/24	EMParts	2112660 Filter-Cab Air		EA	1.000	38.27	38.27
113	11/12/24	EMParts	2453818 Filter-Air Primary		EA	1.000	109.80	109.80
114	11/12/24	EMParts	3261644 Filter-Fuel / Water Separator		EA	1.000	43.54	43.54
115	11/12/24	EMParts	5W40 Spectra Xtreme 5W40 (CK-4)		I	39.000	7.81	304.66

Labour Total	0.00
Parts Total	620.24
Miscellaneous Total	0.00

Segment: 2 Wash

Segment: 3 Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
689	11/22/24	PR	Employee: 3108 Zachary Dean		HRS	2.000		



Work Order: 15150

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Repair Step

Broken bolt at top of step, L/H step welded to cab/frame.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
690	11/22/24	PR	Employee: 3108 Zachary Dean		HRS	2.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Remove customer decals

Labour Total	4.50
Parts Total	1,282.74
Miscellaneous Total	0.00

Description: 4000 Hour Service and Repair Leaks Equipment: E638 Caterpillar 14M Grader Serial#: CAT0014MCR9J00476	8070 Hours RD-2017-346 Insheet	Date Started: 2017-11-10
--	-----------------------------------	---------------------------------

Segment: 1 Insheet Inspection

GRO#5524

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
50	01/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 2 Tighten Hose Clamps on Coolant, Transmission and Fuel Tank

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
51	01/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	1.000		



Work Order: Z10000

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 R&R Reseal and Replace Rod on Side Shift Cylinder

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
52	01/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	10.000		

Labour Total	10.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Adjust Circle, Pinion and Replace Wear Plates

Adjusted Circle and Pinion, Replaced Bottom Wear Plates and Moldboard wear Plates

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
53	01/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	10.500		

Labour Total	10.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 4000 Hour Service

*Sampled Tandem (Oil not Changed)
Found a lot of metal Chunks in Transmission Screen, Cleaned and Replaced Filter.
Test Drove unit and Checked screen and Filter no new Metal
Advised by Emsco to run unit as is*

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
54	01/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	20.000		

Labour Total	20.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Replaced Hose's

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
55	01/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	27.000		



Work Order: Z10000

Labour Total	27.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Outsheet Inspection

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
56	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 Parts

5L-Washer Fluid
 95L-TO-4
 8L-75W90
 72L-Oil All Plus
 2-5P3863 O-Ring
 1-2894113 Hose Assy (241.89ea)
 1-2871712 Hose Assy (122.78ea)
 1-2871713 Hose Assy (121.19ea)
 1-Hose Assy (28.56ea)
 1-2806900 Hose Assy (356.44ea)
 1-2876609 Hose Assy (163.71ea)
 1-20R6949 Rod Assy (1366.46ea)
 6-3026331 Wear Strip (96.15ea)
 6-3086303 Wear Strip (133.1ea)
 2-3K0715 Seal (6.29ea)
 1-9G5127 Breather (16.60ea)
 8-8F9516 Seal (8.48ea)
 8-3K0360 Seal (1.70ea)
 1-2341949 Seal Kit (176.26ea)
 1-338-3540 Hyd. Filter
 2-1300229 O-Ring
 1-8L2786 O-Ring
 1-3283655 P/T Filter
 1-1G8878 Steering Filter
 1-4H6112 Breather

Labour Total	71.00
Parts Total	662.50
Miscellaneous Total	0.00