



Work Order: 12520

EB10-78

Description: Inspections and Repairs	7371 Hours	Date Started: 2021-10-25
Equipment: E534 Caterpillar 160H Grader	RD-2021-298 Insheet RD-2022-109 Outsheet	
Serial#: CAT0160HKASD00684		

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
92	12/03/21	AP	Vendor: 10419 Glover International Trucks Ltd. 337422 Line: 1	EA		1.000	49.75	49.75
103	01/05/22	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947949263 Line: 1	EA		1.000	713.98	713.98
104	01/05/22	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947949263 Line: 2	EA		1.000	997.33	997.33
168	01/07/22	AP	Vendor: 10132 Gregg Distributors LP 059-420139 Line: 1	EA		2.000	8.17	16.34
169	01/07/22	AP	Vendor: 10132 Gregg Distributors LP 059-420139 Line: 2	EA		2.000	9.32	18.64
170	01/06/22	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6419040.001 Line: 2	EA		3.000	56.02	168.06
210	12/06/21	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947892402 Line: 2	EA		100.000	0.28	28.00
260	12/08/21	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947896488 Line: 1	EA		1.000	163.91	163.91
261	12/08/21	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947896402 Line: 1	EA		169.000	0.23	38.87
321	12/13/21	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947908504 Line: 1	EA		38.000	1.05	39.90
322	12/03/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6392991.001 Line: 1	LS		0.000	0.00	54.78
323	12/06/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6394635.001 Line: 1	LS		0.000	0.00	17.40
640	12/13/21	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6400784.001 Line: 1	LS		0.000	0.00	22.02
641	12/17/21	AP	Vendor: 10111 Finning (Canada) a division of Finning International 947919183 Line: 2	EA		1.000	1,159.30	1,159.30
1064	01/27/22	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S6442084.001 Line: 1	LS		0.000	0.00	19.00
1131	02/24/22	AP	Vendor: 10111 Finning (Canada) a division of Finning International 985057150 Line: 1	EA		1.000	-997.33	-997.33
1132	02/24/22	AP	Vendor: 10111 Finning (Canada) a division of Finning International 985057151 Line: 1	EA		1.000	-1,159.30	-1,159.30
2030	12/02/21	AP	Vendor: 31974 National Tire Distributors Inc S160830928 Line: 1	EA		6.000	1,300.00	7,800.00
2180	12/29/21	AP	Vendor: 10401 RBC Avion Visa Dec 21_Lance Line: 4	LS		0.000	0.00	225.00
2181	12/29/21	AP	Vendor: 10401 RBC Avion Visa Dec 21_Lance Line: 5	LS		0.000	0.00	303.75
2182	12/29/21	AP	Vendor: 10401 RBC Avion Visa Dec 21_Lance Line: 7	LS		0.000	0.00	672.00
14	12/01/21	EMP	Dyed Diesel Dyed Diesel	EA		92.000	1.02	94.29
15	12/01/21	EMP	1R0762 Filter-Fuel Advanced Efficiency	EA		1.000	24.64	24.64
16	12/01/21	EMP	1R1808 Filter-Oil Advanced Efficiency	EA		1.000	31.21	31.21
17	12/01/21	EMP	2321732 Filter-Cab Air	EA		2.000	20.85	41.70
18	12/01/21	EMP	5134490 Filter-Fuel / Water Separator	EA		1.000	38.03	38.03
19	12/01/21	EMP	6I0273 Filter-Air Primary	EA		1.000	58.19	58.19
20	12/01/21	EMP	7T7358 Filter-Cab Air	EA		1.000	21.26	21.26
21	12/02/21	EMP	2G9791 Gasket-Tandem	EA		1.000	17.90	17.90
22	12/02/21	EMP	7S4571 Seal-O-Ring	EA		1.000	15.59	15.59
23	02/01/22	EMP	TO4 Spectra Xtreme TO-4 All season	EA		126.000	6.20	781.20
24	12/02/21	EMP	4F7390 Seal-O-Ring	EA		1.000	6.75	6.75
25	12/02/21	EMP	2K8199 Seal-O-Ring	EA		4.000	2.75	11.00
26	12/02/21	EMP	3T3434 Plug-Rubber Ball	EA		6.000	3.62	21.72
27	12/02/21	EMP	4D9986 Seal-O-Ring	EA		4.000	2.47	9.88
28	12/02/21	EMP	8M4437 Seal-O-Ring	EA		8.000	3.47	27.76
29	12/02/21	EMP	9Y6089 Gasket-Starter	EA		1.000	8.35	8.35
37	12/02/21	EMP	1038133 Receptacle Kit-Injector Harnes	EA		1.000	67.61	67.61



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38	12/02/21	EMParts	1757896	Seal-O-Ring	EA	1.000	6.68	6.68
39	12/02/21	EMParts	1799563	Tube-Turbo Oil Supply	EA	1.000	221.36	221.36
40	12/02/21	EMParts	1900649	Tightener-Belt	EA	1.000	433.84	433.84
41	12/02/21	EMParts	1986068	Seal-Integral	EA	1.000	17.12	17.12
42	12/02/21	EMParts	2304171	Pulley-Idler(8-Groove)	EA	1.000	204.73	204.73
43	12/02/21	EMParts	2384462	Seal Kit-Lift Cylinder	EA	1.000	150.60	150.60
44	12/02/21	EMParts	2892935	Seal Assembly-Buffer (8C9124)	EA	1.000	30.15	30.15
45	12/02/21	EMParts	2P3628	Seal-O-Ring	EA	4.000	13.58	54.32
46	12/02/21	EMParts	3081845	Seal-Wiper	EA	1.000	39.42	39.42
47	12/02/21	EMParts	3128933	Belt-Serpentine W/ Air Condi	EA	1.000	156.94	156.94
48	12/02/21	EMParts	3769017	Seal Kit	EA	1.000	145.29	145.29
49	12/02/21	EMParts	4214023	Deal-U-Cup	EA	1.000	32.21	32.21
50	12/02/21	EMParts	4D5497	Seal-D-Ring	EA	2.000	18.82	37.64
51	12/02/21	EMParts	4T5613	Ring-Wear	EA	1.000	14.56	14.56
52	12/02/21	EMParts	5K5288	Seal-Duo Cone	EA	2.000	56.29	112.58
53	12/02/21	EMParts	5M8500	Knob	EA	1.000	3.10	3.10
54	12/02/21	EMParts	6J1972	Seal Assembly	EA	1.000	33.39	33.39
55	12/02/21	EMParts	6J5731	Seal-Ring	EA	1.000	6.68	6.68
56	12/02/21	EMParts	6J5733	Seal-Ring	EA	1.000	27.03	27.03
57	12/02/21	EMParts	7D8436	Seal-D-Ring	EA	2.000	12.92	25.84
58	12/02/21	EMParts	8M7065	Gasket-Compressor	EA	1.000	2.21	2.21
63	12/03/21	EMParts	1142687	Seal-O-Ring	EA	1.000	6.63	6.63
64	12/03/21	EMParts	1886126	Gasket	EA	1.000	1.61	1.61
65	12/03/21	EMParts	2955609	Seal-O-Ring	EA	1.000	16.48	16.48
82	08/03/22	EMParts	4J5477	Seal-O-Ring	EA	1.000	1.52	1.52
83	08/03/22	EMParts	6V8397	Seal-O-Ring Face -6	EA	7.000	1.71	11.97
84	08/03/22	EMParts	6V8398	Seal-O-Ring Face -8	EA	3.000	1.69	5.07
85	08/03/22	EMParts	6V9746	Seal-O-Ring Face -12	EA	2.000	1.89	3.78
86	08/03/22	EMParts	75W90	Certop SN 75W90 Gear Lube	EA	6.500	9.48	61.61
99	01/06/22	EMParts	8M4437	Seal-O-Ring	EA	6.000	3.47	20.82
150	03/07/24	EMParts	2384462	Seal Kit-Lift Cylinder	EA	1.000	148.00	148.00
151	12/06/21	EMParts	2184406	Wear Ring	EA	2.000	94.03	188.06
152	12/06/21	EMParts	2B3147	Gasket-Tandem Cover	EA	4.000	7.87	31.48
153	12/06/21	EMParts	3290411	Seal-Lip Type	EA	1.000	131.35	131.35
154	12/06/21	EMParts	3D2981	Gasket-Tandem Cover	EA	2.000	12.68	25.36
155	12/06/21	EMParts	8C3089	Seal-O-Ring	EA	1.000	26.20	26.20
156	12/06/21	EMParts	9X7743	Seal-Lip Type	EA	1.000	79.51	79.51
167	12/07/21	EMParts	1234003	Seal-Lip	EA	1.000	52.46	52.46
168	12/07/21	EMParts	2K5109	Gasket	EA	1.000	8.18	8.18
169	12/07/21	EMParts	2033337	Tube Assembly	EA	1.000	115.92	115.92
254	12/08/21	EMParts	3289669	Washer-Thrust	EA	1.000	230.97	230.97
255	12/08/21	EMParts	5476515	Washer-Thrust	EA	1.000	601.86	601.86
256	12/08/21	EMParts	5P9147	Seal-O-Ring	EA	1.000	17.30	17.30
298	12/13/21	EMParts	1671709	Sensor-Pressure	EA	1.000	332.24	332.24
299	12/13/21	EMParts	5P5678	Seal-Bulk By the Meter	EA	1.000	25.23	25.23
300	12/13/21	EMParts	7J0204	Seal-O-Ring	EA	1.000	0.87	0.87
301	12/13/21	EMParts	7N0296	Ether Cyinder-18oz	EA	1.000	83.58	83.58
353	12/15/21	EMParts	4570799	Nut Lock-Plate	EA	1.000	23.60	23.60
354	12/15/21	EMParts	4F9653	Seal-O-Ring	EA	1.000	6.48	6.48
355	12/15/21	EMParts	6G5539	Gasket	EA	1.000	11.85	11.85
356	12/15/21	EMParts	904D	Battery-12v-4D	EA	2.000	252.13	504.27
357	12/15/21	EMParts	5K5288	Seal-Duo Cone	EA	1.000	189.90	189.90
359	12/15/21	EMParts	2405919	Shield-Heat Turbo Exhaust	EA	1.000	699.32	699.32
362	12/16/21	EMParts	3E8817	Actuator-Switch Lock-Out	EA	1.000	64.36	64.36
380	12/16/21	EMParts	0R7354	Rod Assembly-Lift	EA	1.000	980.03	980.03
422	01/20/22	EMParts	1W2431	Clamp	EA	1.000	93.30	93.30



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Labour Total	0.00
Parts Total	18,727.33
Miscellaneous Total	0.00

Segment: 2 Insheet and Outsheet Inspections

*Checkover unit, install panels by control valves, install guards for blade sideshift cylinder.
Top up engine oil, trans and hyd oil. Pictures and park up front.
-Paul*

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
291	01/07/22	PR	Employee: 2471 Greg Royer		HRS	0.500		
1034	12/14/21	PR	Employee: 2471 Greg Royer		HRS	0.500		
1786	01/28/22	PR	Employee: 1575 Paul Nixon		HRS	4.500		
2145	10/29/21	PR	Employee: 2611 Matthew Walter		HRS	4.000		

Labour Total	9.50
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
838	01/10/22	PR	Employee: 2623 Brenton Woolman		HRS	1.500		
839	01/11/22	PR	Employee: 2623 Brenton Woolman		HRS	4.000		

Labour Total	5.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 R&R Tires

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
226	12/01/21	PR	Employee: 2471 Greg Royer		HRS	1.500		
539	12/09/21	PR	Employee: 2471 Greg Royer		HRS	2.500		
541	12/10/21	PR	Employee: 2471 Greg Royer		HRS	3.500		

Labour Total	7.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 250 Hour Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
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1030 12/13/21 PR Employee: 2471 Greg Royer HRS 1.500

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 T/S and Repair Leaks

RH lift cylinder leaking.

Remove cylinder, disassemble and inspect. Reseal and reassemble. Reinstall, connect lines. Run/test, top up hyd oil.

RH control valve leaking from blade lift actuator. Remove levers, floor mat, remove actuator and reseal, reinstall all parts.

Remove front attachment aux hoses, capped ports at control valve. Got rid of these because we will never use them and they will only wear/rub and leak.

-Paul

Leak under shifter. Remove paneling in cab. Pull air valve. Disassemble & clean. Check for seal leaks. Reassemble cab.

Pull gear box for circle. Drain oil. Remove lines & nut for pinion. Pull w/forklift. Disassemble seal on bench. Order parts.

Install seal, clean off pinion. Clean seal surfaces and install pinion & torque nut. Install gear box. Remove cover and adjust clutch shims. Re-install & add oil. Connect lines & torque bolts holding gear box.

LH circle lift cylinder leaking

- remove & disassemble, reseal & install on machine. Rod had to be replaced.

Circle shift cylinder leaking. Remove & disassemble, reseal & install on machine. Replace line O Rings.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
227	12/02/21	PR	Employee: 2471 Greg Royer		HRS	8.000		
228	12/03/21	PR	Employee: 2471 Greg Royer		HRS	10.500		
285	01/04/22	PR	Employee: 2611 Matthew Walter		HRS	4.000		
288	01/05/22	PR	Employee: 2611 Matthew Walter		HRS	9.500		
290	01/06/22	PR	Employee: 2611 Matthew Walter		HRS	4.000		
536	12/06/21	PR	Employee: 2471 Greg Royer		HRS	10.500		
537	12/07/21	PR	Employee: 2471 Greg Royer		HRS	8.500		
538	12/08/21	PR	Employee: 2471 Greg Royer		HRS	10.500		
540	12/09/21	PR	Employee: 2471 Greg Royer		HRS	8.000		
542	12/10/21	PR	Employee: 2471 Greg Royer		HRS	3.500		
1031	12/13/21	PR	Employee: 2471 Greg Royer		HRS	7.500		
1035	12/14/21	PR	Employee: 2471 Greg Royer		HRS	1.000		
1036	12/14/21	PR	Employee: 2611 Matthew Walter		HRS	3.500		
1038	12/15/21	PR	Employee: 2611 Matthew Walter		HRS	7.000		
1040	12/16/21	PR	Employee: 2611 Matthew Walter		HRS	7.000		
1041	12/17/21	PR	Employee: 2611 Matthew Walter		HRS	9.000		
1042	12/21/21	PR	Employee: 2611 Matthew Walter		HRS	2.500		
1784	01/26/22	PR	Employee: 1575 Paul Nixon		HRS	3.000		
1785	01/27/22	PR	Employee: 1575 Paul Nixon		HRS	7.500		

Labour Total	125.00
Parts Total	0.00
Miscellaneous Total	0.00



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Segment: 7 Repair Wiring

Diagnose brigade indicator. No power, trace back wires. Find incline fuse blown. Replace. Test & works. Test sensitivity.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
286	01/04/22	PR	Employee: 2611 Matthew Walter		HRS	1.000		
543	12/10/21	PR	Employee: 2471 Greg Royer		HRS	1.000		
1032	12/13/21	PR	Employee: 2471 Greg Royer		HRS	1.500		
1037	12/14/21	PR	Employee: 2611 Matthew Walter		HRS	1.500		
1039	12/15/21	PR	Employee: 2611 Matthew Walter		HRS	2.500		

Labour Total	7.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 T/S and Repair Belt Idler

Time applied on segment 6

Segment: 9 Check, Adjust blade and circle

Adjust circle clearance on pads. Check front & rear, rear is worn. Remove circle clamps, remove shims. Install & check till right clearance is measured. Torque bolts down. Perform same procedure.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
287	01/04/22	PR	Employee: 2611 Matthew Walter		HRS	2.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 10 Repair Panels, door, mirrors, wipers

Rocker switch broken. Remove panels. Pop out and replace. Reassemble.

Adjust mirrors for operating position so they don't contact door.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
284	01/04/22	PR	Employee: 2611 Matthew Walter		HRS	1.000		
289	01/06/22	PR	Employee: 2611 Matthew Walter		HRS	1.000		
1033	12/14/21	PR	Employee: 2611 Matthew Walter		HRS	0.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00



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Labour Total	161.50
Parts Total	18,727.33
Miscellaneous Total	0.00

Description: R&R cutting edges	7377 HRS, GRO	Date Started: 2022-02-23
Equipment: E534 Caterpillar 160H Grader	9165/9167/9175/9768/9876/9877/ 9276/9375/9511/9624/7721/7736/773 8	
Serial#: CAT0160HKASD00684		

Segment: 1 parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
230	05/16/22	AP	Vendor: 32422 Iron Creek Truck & Trailer 20130 Line: 1		EA	1.000	20.83	20.83
231	05/16/22	AP	Vendor: 32422 Iron Creek Truck & Trailer 20130 Line: 2		EA	1.000	372.21	372.21
72	05/02/22	EMParts	OR284358X Governor		EA	1.000	21.80	21.80
253	11/08/22	EMParts	109-3124-ICE 3/4x8x4' 3/4P DBC MT ICE BLADE(GB41182) CAT#8J8255		EA	4.000	103.13	412.52
254	11/08/22	EMParts	5W40 Spectra 5W40		I	38.000	5.34	202.94
255	11/08/22	EMParts	1R1808 Filter-Oil Advanced Efficiency		EA	1.000	36.62	36.62
256	11/08/22	EMParts	6I0274 Filter-Air Secondary		EA	1.000	47.05	47.05
257	11/08/22	EMParts	6I0273 Filter-Air Primary		EA	1.000	38.21	38.21
258	11/08/22	EMParts	1R0762 Filter-Fuel Advanced Efficiency		EA	1.000	24.10	24.10
259	11/08/22	EMParts	5134490 Filter-Fuel / Water Separator		EA	1.000	42.40	42.40
641	02/23/22	EMParts	109-3124-ICE 3/4x8x4' 3/4P DBC MT ICE BLADE(GB41182) CAT#8J8255		EA	4.000	103.13	412.52
932	11/30/22	EMParts	109992 Air Dryer, AD-SP 24V (E534)		EA	-1.000	372.21	-372.21
949	03/24/22	EMParts	1245572 Valve Assembly-Relief		EA	1.000	48.91	48.91
2432	06/29/22	EMParts	7T7358 Filter-Cab Air		EA	1.000	28.25	28.25
2433	06/29/22	EMParts	MTC855HDX Bit-Carbide		EA	4.000	7.87	31.48

Labour Total	0.00
Parts Total	1,367.63
Miscellaneous Total	0.00

Segment: 2 R&R straight edges with serated edges

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2002	02/23/22	PR	Employee: 1266 Braden Bitzer		HRS	2.000		
2003	02/25/22	PR	Employee: 1266 Braden Bitzer		HRS	1.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 lower tire pressures to 28-30psi

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
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742 03/08/22 PR Employee: 1266 Braden Bitzer HRS 0.500

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 R&R faulty safety aur relief valve on compressor

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1973	03/24/22	PR	Employee: 1266 Braden Bitzer		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Remove ice blades & install mole board & sandvick blades

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1974	03/28/22	PR	Employee: 2024 Travis Schmidt		HRS	4.000		
1975	03/28/22	PR	Employee: 22 Garrett Nelson		HRS	1.500		
1976	03/29/22	PR	Employee: 2024 Travis Schmidt		HRS	1.000		

Labour Total	6.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 R&R unloader valve & govnernor, check air drier

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
479	05/02/22	PR	Employee: 28 Troy Schmidt		HRS	6.000		

Labour Total	6.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 R&R sandvick bit w/ good used bit from 3' edge set

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
836	07/22/22	PR	Employee: 2024 Travis Schmidt		HRS	1.500		
1352	06/16/22	PR	Employee: 1266 Braden Bitzer		HRS	0.500		
2368	06/29/22	PR	Employee: 1266 Braden Bitzer		HRS	1.000		



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Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 R&R rear cab filter

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2369	06/29/22	PR	Employee: 1266 Braden Bitzer		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 9 R&R WORN OUT BITS

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2352	10/31/22	PR	Employee: 2024 Travis Schmidt		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 10 serviced & install icesblades

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
592	11/07/22	PR	Employee: 2024 Travis Schmidt		HRS	2.000		
593	11/08/22	PR	Employee: 2024 Travis Schmidt		HRS	5.000		

Labour Total	7.00
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	28.00
Parts Total	1,367.63
Miscellaneous Total	0.00

Description: checkover & R&R cutting edges	GRO#7928/7990/10141/10069/10265	Date Started: 2022-12-13
Equipment: E534 Caterpillar 160H Grader	/10299/10380/10550	
Serial#: CAT0160HKASD00684	8025hours	

Segment: 1 parts



Work Order: 13740

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1004	03/30/23	AP	Vendor: 10111 Finning (Canada) a division of Finning International 949041368 Line: 1		EA	1.000	44.09	44.09
1005	03/30/23	AP	Vendor: 10321 Union Tractor Ltd. 040-228037 Line: 1		EA	1.000	860.05	860.05
1006	03/30/23	AP	Vendor: 10321 Union Tractor Ltd. 040-228037 Line: 2		EA	1.000	58.65	58.65
1014	08/18/23	AP	Vendor: 10111 Finning (Canada) a division of Finning International 949368409 Line: 1		EA	1.000	406.57	406.57
2329	03/30/23	AP	Vendor: 10111 Finning (Canada) a division of Finning International 949041368 Line: 2		EA	-1.000	44.09	-44.09
2330	03/30/23	AP	Vendor: 10111 Finning (Canada) a division of Finning International 949041368 Line: 3		EA	1.000	44.09	44.09
2481	08/18/23	AP	Vendor: 10111 Finning (Canada) a division of Finning International 949368409 Line: 2		EA	-1.000	406.57	-406.57
2482	08/18/23	AP	Vendor: 10111 Finning (Canada) a division of Finning International 949368409 Line: 3		EA	1.000	406.57	406.57
13	03/02/23	EMParts	7D1949ICE Grader Blade Serrated (8'Lx8Wx1"Thk 3/4"Punch)		EA	2.000	195.00	390.00
254	01/09/23	EMParts	7D1949ICE Grader Blade Serrated (8'Lx8Wx1"Thk 3/4"Punch)		EA	2.000	195.00	390.00
404	05/09/23	EMParts	1R1808 Filter-Oil Advanced Efficiency		EA	1.000	38.25	38.25
405	05/09/23	EMParts	1R0762 Filter-Fuel Advanced Efficiency		EA	1.000	30.93	30.93
406	05/09/23	EMParts	5134490 Filter-Fuel / Water Separator		EA	1.000	47.14	47.14
407	05/09/23	EMParts	5W40 Spectra 5W40		I	38.000	5.34	202.94
561	12/13/22	EMParts	7D1949ICE Grader Blade Serrated (8'Lx8Wx1"Thk 3/4"Punch)		EA	2.000	195.00	390.00
PO - Open - #1024196 - 10111 Clamp-Exhaust					EA	1.00	44.09	44.09

Labour Total	0.00
Parts Total	2,902.71
Miscellaneous Total	0.00

Segment: 2 Air up tires & R&R cutting edges

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
160	03/02/23	PR	Employee: 1266 Braden Bitzer		HRS	1.000		
772	01/09/23	PR	Employee: 2024 Travis Schmidt		HRS	2.000		
832	12/13/22	PR	Employee: 1266 Braden Bitzer		HRS	4.000		
335	04/17/23	EMAdj	Braden Bitzer 12/13/2022		HRS	-2.000		

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 wash

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
161	03/02/23	PR	Employee: 22 Garrett Nelson		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00



Work Order: 13740

Segment: 4 replace muffler and clamps hardware

April 5/23 Troy Schmidt 1 hr
April 5/23 Travis Schmidt 2 hr

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2165	04/05/23	PR	Employee: 1266 Braden Bitzer		HRS	2.000		
2166	04/05/23	PR	Employee: 28 Troy Schmidt		HRS	1.000		
						Labour Total		3.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 5 swap out ice blades to sandvicks

April 10/23 Travis Schmidt 2 hr

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2167	04/10/23	PR	Employee: 2024 Travis Schmidt		HRS	2.000		
						Labour Total		2.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 6 check tires

May 9/23 Travis Schmidt 1.5 hr

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2512	05/09/23	PR	Employee: 2024 Travis Schmidt		HRS	1.500		
						Labour Total		1.50
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 7 blow out engine air filters

May 9/23 Travis Schmidt 1.5 hr

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2513	05/09/23	PR	Employee: 2024 Travis Schmidt		HRS	1.500		
						Labour Total		1.50
						Parts Total		0.00
						Miscellaneous Total		0.00



Work Order: 13740

Segment: 8 change sandwich bits

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
817	07/13/23	PR	Employee: 2024 Travis Schmidt		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 9 install front wiper motor

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1499	09/20/23	PR	Employee: 3119 Shawn Dittmer		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00
Labour Total	17.00
Parts Total	2,902.71
Miscellaneous Total	0.00

Description: Reg Maintenance	GRO#10742/10949/11617/11631/116	Date Started: 2023-11-06
Equipment: E534 Caterpillar 160H Grader	37/11638/11641/11584/11584	
Serial#: CAT0160HKASD00684	8163hours	

Segment: 1 parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
960	12/19/23	AP	Vendor: 32404 MechTech Heavy Equipment Repair Ltd Line: 1	10027-1-1	LS	0.000	0.00	3,506.76
1027	12/19/23	AP	Vendor: 32404 MechTech Heavy Equipment Repair Ltd Line: 2	10027-1-1	LS	0.000	0.00	-3,506.76
2587	12/27/23	AP	Vendor: 10401 RBC Avion Visa Dec 23_M Devey Line: 9		EA	1.000	39.90	39.90
2588	12/27/23	AP	Vendor: 10401 RBC Avion Visa Dec 23_M Devey Line: 10		EA	1.000	83.99	83.99
2589	12/27/23	AP	Vendor: 10401 RBC Avion Visa Dec 23_M Devey Line: 11		LS	0.000	0.00	40.81
			PO - Open - #1026700 - 10401 lights		EA	1.00	39.90	39.90
			PO - Open - #1026700 - 10401 lights 4inch 48W LED		EA	1.00	83.99	83.99
			PO - Open - #1026700 - 10401 Harvesters LED lights		LS	0.00	0.00	40.81
			Labour Total			0.00		
			Parts Total			329.40		
			Miscellaneous Total			0.00		

Segment: 2 replaced worn out snadvick bits/R&R beacon swtich



Work Order: 14478

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
466	11/06/23	PR	Employee: 2024 Travis Schmidt		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 change out cutting edges to winter scrapers

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1329	11/15/23	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 help with changing out edges

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1330	11/15/23	PR	Employee: 22 Garrett Nelson		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 replaced missing mole board ram hold in pin L/S

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1415	12/12/23	PR	Employee: 2024 Travis Schmidt		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 trouble shoot coolant leak

4 meters 3/8 coolant hose

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1416	12/12/23	PR	Employee: 3119 Shawn Dittmer		HRS	8.000		
1417	12/18/23	PR	Employee: 2024 Travis Schmidt		HRS	1.000		



Work Order: 14478

Labour Total	9.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 R&R of work lights

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1418	12/20/23	PR	Employee: 2024 Travis Schmidt		HRS	1.000		
1419	12/21/23	PR	Employee: 2024 Travis Schmidt		HRS	6.000		
1420	12/22/23	PR	Employee: 2024 Travis Schmidt		HRS	8.500		

Labour Total	15.50
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	31.50
Parts Total	373.49
Miscellaneous Total	0.00

Description: Reg Maintenance Equipment: E534 Caterpillar 160H Grader Serial#: CAT0160HKASD00684	GRO#11666/11667/11125/11194/885 3/8855/8857/8858/8867/8870/8871/8 780 8790/8793/8797/8799/8795/8796/770 4/77077709/7711/7716/7717/7721/11 233/7603 7607/7609/7610/13636/13641/13642/ 13645/13679/13678/13588	Date Started: 2024-01-15
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HOURS:8370 Dec 12 2024

Segment: 1 parts

1 X 1335673 fuel filter
 1 x 2477133 Regulator
 1x 1R0765 Fuel filter
 4x 1093124ICE grader blades

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
116	05/13/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232237 Line: 7		EA	1.000	108.75	108.75
124	08/02/24	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-402293 Line: 1		LS	0.000	0.00	9.22
300	06/11/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232583 Line: 1		EA	-1.000	108.75	-108.75
1116	06/04/24	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-399588 Line: 1		EA	2.000	9.09	18.18
1446	05/27/24	AP	Vendor: 10401 RBC Avion Visa May 24_P Nixon Line: 5		EA	1.000	1,234.96	1,234.96
1447	05/27/24	AP	Vendor: 10401 RBC Avion Visa May 24_P Nixon Line: 6		EA	1.000	640.00	640.00
1448	05/27/24	AP	Vendor: 10401 RBC Avion Visa May 24_P Nixon Line: 7		EA	1.000	300.00	300.00
1449	05/27/24	AP	Vendor: 10401 RBC Avion Visa May 24_P Nixon Line: 9		EA	-1.000	300.00	-300.00
1450	05/27/24	AP	Vendor: 10401 RBC Avion Visa May 24_P Nixon Line: 8		EA	2.000	20.00	40.00
18	06/04/24	EMParts	3128933 Belt-Serpentine W/ Air Condiiti		EA	1.000	208.56	208.56
61	05/07/24	EMParts	0068663 Snap Ring		EA	1.000	11.50	11.50



Work Order: 14617

62	05/07/24	EMParts	1043124	Seal-Dust Shield	EA	1.000	36.37	36.37
63	05/07/24	EMParts	8T4750	Seal-Lip Type	EA	1.000	53.72	53.72
98	12/12/24	EMParts	1611703	Sensor-Pressor(Atmosheric)	EA	1.000	405.07	405.07
99	12/12/24	EMParts	1781685	Wear Strip-Long	EA	1.000	67.94	67.94
100	12/12/24	EMParts	2147568	Seal-O-Ring	EA	1.000	6.73	6.73
101	12/12/24	EMParts	3S9643	Seal	EA	1.000	9.89	9.89
102	12/12/24	EMParts	5T8366	Wear Strip-Short	EA	4.000	44.80	179.20
103	12/12/24	EMParts	7E7912	Gasket	EA	1.000	7.04	7.04
104	12/12/24	EMParts	2477133	Regulator-Water Temperature(98 Deg C)	EA	1.000	130.86	130.86
120	05/15/24	EMParts	3418888	Push Rod-Valve	EA	1.000	43.10	43.10
121	05/15/24	EMParts	1163715	Stud	EA	12.000	11.62	139.40
122	05/15/24	EMParts	1337098	Kit-Piston&Liner(3176C/C12)	EA	1.000	810.22	810.22
123	05/15/24	EMParts	1482149	Head-Cylinder(3176C/C12)	EA	1.000	6,988.36	6,988.36
124	05/15/24	EMParts	1556629	Rod-Connecting	EA	1.000	360.04	360.04
125	05/15/24	EMParts	2110587	Bearing-Main(C12)	EA	4.000	85.96	343.84
126	05/15/24	EMParts	2110588	Bearing-Main(C12)	EA	3.000	85.95	257.85
127	05/15/24	EMParts	2153198	Seal-O-Ring	EA	5.000	12.72	63.58
128	05/15/24	EMParts	2170577	Bearing-Rod Connecting	EA	6.000	59.69	358.16
129	05/15/24	EMParts	2173673	Seal-Oil Pan	EA	1.000	246.06	246.06
130	05/15/24	EMParts	2335220	Pump-Engine Oil(C12)	EA	1.000	710.25	710.25
131	05/15/24	EMParts	2463144	Thrust Washer	EA	2.000	54.91	109.81
132	05/15/24	EMParts	4227339	Kit-Cylinder Head Install	EA	1.000	988.75	988.75
133	05/15/24	EMParts	9X6620	Lock Nut	EA	12.000	4.75	57.00
146	05/15/24	EMParts	1198784	Seal-O-Ring	EA	5.000	13.62	68.10
147	05/15/24	EMParts	9X7317	Seal-O-Ring	EA	5.000	6.64	33.20
148	06/12/24	EMParts	7E7912	Gasket	EA	1.000	7.04	7.04
197	02/12/24	EMParts	1994320	Seal Kit-Fan Motor	EA	1.000	199.83	199.83
198	02/12/24	EMParts	1R1808	Filter-Oil Advanced Efficiency	EA	1.000	40.83	40.83
199	02/12/24	EMParts	6I0273	Filter-Air Primary	EA	1.000	42.96	42.96
209	01/15/24	EMParts	1029862	Switch-Rocker 24V (Beacon)	EA	1.000	204.24	204.24
241	02/13/24	EMParts	1071984	Lamp Socket	EA	2.000	1.35	2.70
242	02/13/24	EMParts	1151748	Bulb-24v 3watt	EA	2.000	5.94	11.88
257	06/13/24	EMParts	KDX38MBS	Radio-AM/FM	EA	1.000	199.99	199.99
277	06/18/25	EMParts	1781685	Wear Strip-Long	EA	-1.000	67.94	-67.94
278	06/18/25	EMParts	5T8366	Wear Strip-Short	EA	-4.000	44.80	-179.20
297	06/18/24	EMParts	9X7317	Seal-O-Ring	EA	3.000	9.88	29.64
298	06/18/24	EMParts	1198784	Seal-O-Ring	EA	3.000	19.30	57.90
299	06/18/24	EMParts	2153198	Seal-O-Ring	EA	3.000	24.35	73.05
323	02/13/24	EMParts	6I0274	Filter-Air Secondary	EA	1.000	56.01	56.01
324	02/13/24	EMParts	7T7358	Filter-Cab Air	EA	1.000	28.25	28.25
325	02/13/24	EMParts	2321732	Filter-Cab Air	EA	2.000	22.37	44.73
327	02/13/24	EMParts	5W40	Spectra 5W40	I	40.000	5.52	220.83
419	05/21/24	EMParts	1482065	Bracket-Lifter Oil Supply	EA	1.000	204.93	204.93
420	05/22/24	EMParts	0922570	Sealing Washer	EA	1.000	8.31	8.31
421	05/22/24	EMParts	2529685	Gasket	EA	1.000	17.70	17.70
422	05/22/24	EMParts	3464897	Seal-O-Ring (3.53x40.87 75A)	EA	1.000	26.48	26.48
423	05/22/24	EMParts	6V3831	Seal-O-Ring	EA	1.000	45.14	45.14
424	05/22/24	EMParts	6V3834	Seal-O-Ring	EA	1.000	20.69	20.69
425	05/22/24	EMParts	6V5134	Seal-O-Ring	EA	3.000	29.08	87.24
426	05/22/24	EMParts	8C5230	Seal-O-Ring	EA	1.000	21.37	21.37
427	05/22/24	EMParts	8J4351	Seal-O-Ring	EA	1.000	26.65	26.65
610	06/18/24	EMParts	60/40	Rad-Cool Antifreeze	EA	32.000	7.18	229.72
772	05/31/24	EMParts	2386780	Base Assembly-Fuel Filter	EA	1.000	425.66	425.66
773	05/31/24	EMParts	6V8676	Seal-O-Ring	EA	1.000	15.46	15.46



Work Order: 14617

Labour Total	0.00
Parts Total	17,910.81
Miscellaneous Total	0.00

Segment: 2 check for coolant leak no leak present

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
762	01/11/24	PR	Employee: 2024 Travis Schmidt		HRS	1.500		
326	02/13/24	EMParts	1R0762 Filter-Fuel Advanced Efficiency		EA	1.000	30.93	30.93

Labour Total	1.50
Parts Total	30.93
Miscellaneous Total	0.00

Segment: 3 R&R cutting edges/R&R beacan light

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
763	01/12/24	PR	Employee: 2024 Travis Schmidt		HRS	3.500		

Labour Total	3.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 change oil/airfilters

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
627	02/13/24	PR	Employee: 3119 Shawn Dittmer		HRS	2.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 change out cutting edges/replace exhaust

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
628	02/13/24	PR	Employee: 3119 Shawn Dittmer		HRS	7.000		
1801	02/29/24	PR	Employee: 3119 Shawn Dittmer		HRS	2.000		

Labour Total	9.00
Parts Total	0.00
Miscellaneous Total	0.00



Work Order: 14617

Segment: 6 start taking engine apart

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
298	05/07/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		
1198	04/15/24	PR	Employee: 3119 Shawn Dittmer		HRS	2.000		
1199	04/16/24	PR	Employee: 3119 Shawn Dittmer		HRS	7.000		
1200	04/17/24	PR	Employee: 3119 Shawn Dittmer		HRS	4.000		
1201	04/18/24	PR	Employee: 3119 Shawn Dittmer		HRS	5.000		
1202	04/25/24	PR	Employee: 3119 Shawn Dittmer		HRS	5.000		
1203	04/26/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		
						Labour Total	29.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 7 trouble shoot oil leak RH valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1493	04/29/24	PR	Employee: 3119 Shawn Dittmer		HRS	5.000		
						Labour Total	5.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 8 replace seal on pump

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
642	05/14/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		
						Labour Total	3.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 9 Install hyd lines to pump

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
643	05/15/24	PR	Employee: 3119 Shawn Dittmer		HRS	2.000		
						Labour Total	2.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	



Work Order: 14617

Segment: 10 Install manifold

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
646	05/21/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 11 Install fuel pump/oil pump/filter housing

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
647	05/22/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 12 Install new lines/bearings/pistons/oil pan

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
644	05/16/24	PR	Employee: 3119 Shawn Dittmer		HRS	9.000		

Labour Total	9.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 13 replace fly wheel

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
645	05/17/24	PR	Employee: 3119 Shawn Dittmer		HRS	7.000		

Labour Total	7.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 14 Install new gaskets,seal and oil coolents

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
648	05/23/24	PR	Employee: 3119 Shawn Dittmer		HRS	4.000		



Work Order: 14617

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 15 Assemble engine

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
215	06/04/24	PR	Employee: 3119 Shawn Dittmer		HRS	8.000		
217	06/06/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.500		
1350	05/28/24	PR	Employee: 3119 Shawn Dittmer		HRS	9.000		
1351	05/29/24	PR	Employee: 3119 Shawn Dittmer		HRS	6.000		
1460	11/29/24	PR	Employee: 3119 Shawn Dittmer		HRS	9.000		

Labour Total	35.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 16 Assemble lines/dryer/wiring

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
214	06/03/24	PR	Employee: 3119 Shawn Dittmer		HRS	6.000		
1352	05/30/24	PR	Employee: 3119 Shawn Dittmer		HRS	8.000		

Labour Total	14.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 17 Trouble shoot NO.1 cylinder miss fire

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
216	06/05/24	PR	Employee: 3119 Shawn Dittmer		HRS	4.000		

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 18 help Shawn with repairs

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
510	06/17/24	PR	Employee: 2024 Travis Schmidt		HRS	1.000		
1461	11/29/24	PR	Employee: 22 Garrett Nelson		HRS	1.000		



Work Order: 14617

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 19 repaied engine faults/oil leak

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
508	06/13/24	PR	Employee: 3119 Shawn Dittmer		HRS	5.000		

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 20 Install radio

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
509	06/14/24	PR	Employee: 3119 Shawn Dittmer		HRS	4.000		

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 21 Trouble shoot oil leak/excessive smoke

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
511	06/17/24	PR	Employee: 3119 Shawn Dittmer		HRS	6.000		

Labour Total	6.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 22 change out themostate

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
512	06/18/24	PR	Employee: 3119 Shawn Dittmer		HRS	5.000		

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 23 wash



Work Order: 14617

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1458	11/27/24	PR	Employee: 3185 Cameron Sakaluk		HRS	3.000		
						Labour Total	3.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 24 Trouble shoot hyd oil leak

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1457	11/26/24	PR	Employee: 3119 Shawn Dittmer		HRS	2.000		
						Labour Total	2.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 25 replace o rings/seal/seal o ring

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1459	11/28/24	PR	Employee: 3119 Shawn Dittmer		HRS	9.000		
						Labour Total	9.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 26 change out cutting edges to ice blades

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
318	12/03/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		
						Labour Total	3.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 27 change out regulator due to smoking too much

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
507	12/11/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		
508	12/12/24	PR	Employee: 3119 Shawn Dittmer		HRS	3.000		



Work Order: 14617

Labour Total	6.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 28 put ozone vac in cab remove mouse smell

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
506	12/10/24	PR	Employee: 2024 Travis Schmidt		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	181.00
Parts Total	18,150.53
Miscellaneous Total	0.00

Description: Reg Maintenance	GRO13802/13812	Date Started: 2025-04-25
Equipment: E534 Caterpillar 160H Grader	8416 hours April 2025	
Serial#: CAT0160HKASD00684		

Segment: 1 parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
36	01/07/25	EMParts	4678535 Switch-Key Start		EA	1.000	292.31	292.31
83	05/06/25	EMParts	1093124 Grader Blade Curved (4'-3/4" Punch)		EA	4.000	279.83	1,119.33
421	04/28/25	EMParts	2K8199 Seal-O-Ring		EA	1.000	8.38	8.38
422	04/28/25	EMParts	3S9643 Seal		EA	1.000	36.47	36.47
423	04/28/25	EMParts	4D9986 Seal-O-Ring(2.62x23.47mm 75A N		EA	1.000	3.78	3.78
424	04/28/25	EMParts	7E7912 Gasket		EA	1.000	7.44	7.44
425	04/28/25	EMParts	8M4437 Seal-O-Ring(2.62x13.94mm 70A V		EA	2.000	10.66	21.32

Labour Total	0.00
Parts Total	1,489.03
Miscellaneous Total	0.00

Segment: 2 Install gasket & seal

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
586	04/25/25	PR	Employee: 3119 Shawn Dittmer		HRS	8.000		



Work Order: 15328

Labour Total	8.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Install cutting edges

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
171	05/06/25	PR	Employee: 3119 Shawn Dittmer		HRS	5.000		

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	13.00
Parts Total	1,697.82
Miscellaneous Total	0.00

Description:	Inspections, 1000 Hour Service and Repairs	8421 Hours	Date Started:	2025-05-08
Equipment:	E534 Caterpillar 160H Grader	RD-2025-142 Insheet		
Serial#:	CAT0160HKASD00684			

Segment: 1 Parts

(6) injector seal kits @15.22ea

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
70	06/05/25	AP	Vendor: 33335 GCL Diesel INV/2025/08562 Line: 1	EA	6.000	99.00		594.00
351	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 1	EA	1.000	73.36		73.36
352	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 2	EA	1.000	3.45		3.45
353	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 3	EA	1.000	11.13		11.13
354	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 4	EA	1.000	29.83		29.83
355	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 5	EA	1.000	320.60		320.60
356	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 6	EA	26.000	18.32		476.32
357	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 7	EA	26.000	1.90		49.40
358	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 8	EA	6.000	24.72		148.32
359	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 9	EA	6.000	19.59		117.54
360	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 10	EA	6.000	10.03		60.18
361	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 11	EA	1.000	3.29		3.29
362	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 12	EA	1.000	251.89		251.89
363	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 13	EA	1.000	2.36		2.36



Work Order: 15348

364	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 14	EA	1.000	24.25	24.25
365	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 15	EA	2.000	19.72	39.44
366	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 16	EA	1.000	5.65	5.65
367	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 17	EA	4.000	8.36	33.44
368	07/09/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950851204 Line: 18	EA	14.000	14.25	199.50
369	07/09/25	AP	Vendor: 11081 Polar Mobility Research Ltd 0000408118 Line: 1	EA	1.000	7.07	7.07
370	07/09/25	AP	Vendor: 11081 Polar Mobility Research Ltd 0000408118 Line: 2	EA	1.000	9.43	9.43
383	07/15/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950861098 Line: 1	EA	14.000	20.72	290.08
384	07/15/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950861098 Line: 2	EA	1.000	102.15	102.15
385	07/15/25	AP	Vendor: 10111 Finning (Canada) a division of Finning International 950861712 Line: 1	EA	6.000	11.93	71.58
1055	06/27/25	AP	Vendor: 10401 RBC Avion Visa Jun 25/Lance Line: 21	EA	6.000	15.22	91.34
15	06/03/25	EMParts	4J7533 Seal-O-Ring	EA	13.000	2.05	26.65
16	06/03/25	EMParts	5B9318 Ball	EA	12.000	0.64	7.68
17	06/03/25	EMParts	6E3007 Spring	EA	12.000	12.43	149.16
18	06/03/25	EMParts	1010509 Seal-Integral Plate	EA	7.000	51.87	363.09
19	06/03/25	EMParts	1011984 Body-Lever Assembly	EA	3.000	33.84	101.52
20	06/03/25	EMParts	2147568 Seal-O-Ring(1.98x11.89mm 90A FKM)	EA	10.000	6.87	68.67
21	06/03/25	EMParts	2K8199 Seal-O-Ring(2.62x28.24mm 75A NBR)	EA	12.000	8.38	100.56
22	06/03/25	EMParts	3405470 Lever Assembly	EA	3.000	152.38	457.14
23	06/03/25	EMParts	3613549 Seal-O-Ring(2.62x21.89mm 90A NKM)	EA	12.000	3.82	45.84
24	06/03/25	EMParts	3K0360 Seal-O-Ring(2.21x16.36mm 90A NBR)	EA	18.000	3.11	55.98
25	06/03/25	EMParts	4D2297 Seal-O-Ring(15.6mm ID)	EA	5.000	2.79	13.95
26	06/03/25	EMParts	4D9986 Seal-O-Ring(2.62x23.47mm 75A NBR)	EA	6.000	3.78	22.68
27	06/03/25	EMParts	8M4437 Seal-O-Ring(2.62x13.94mm 70A VMQ)	EA	12.000	10.66	127.92
198	06/12/25	EMParts	2175701 Seal Kit Bulk	EA	1.000	0.00	0.00
199	06/12/25	EMParts	5P5678 Seal-Bulk By the Meter	EA	1.000	38.27	38.27
235	06/16/25	EMParts	3128933 Belt-Serpentine W/ Air Condit	EA	1.000	208.56	208.56
245	05/20/25	EMParts	1300229 Seal-O-Ring	EA	1.000	48.78	48.78
246	05/20/25	EMParts	1R0762 Filter-Fuel Advanced Efficiency	EA	1.000	34.57	34.57
247	05/20/25	EMParts	1R0774 Filter-Hydraulic	EA	1.000	36.28	36.28
248	05/20/25	EMParts	1R1808 Filter-Oil(Advanced Efficiency	EA	1.000	41.84	41.84
249	05/20/25	EMParts	2314487 Filter-Cab Air	EA	1.000	30.56	30.56
250	05/20/25	EMParts	3283655 Filter-P/T Advanced Efficiency	EA	1.000	102.31	102.31
251	05/20/25	EMParts	3F1547 Seal-Hydraulic Cover	EA	3.000	7.72	23.17
252	05/20/25	EMParts	5134490 Filter-Fuel / Water Separator	EA	1.000	52.72	52.72
253	05/20/25	EMParts	5P3863 Seal-O-Ring	EA	1.000	13.98	13.98
254	05/20/25	EMParts	5P6871 Mirror	EA	1.000	319.25	319.25
255	05/20/25	EMParts	6I0273 Filter-Air Primary	EA	1.000	56.64	56.64
256	05/20/25	EMParts	6I0274 Filter-Air Secondary	EA	1.000	38.30	38.30
257	05/20/25	EMParts	7D1195 Seal	EA	1.000	12.89	12.89
258	05/20/25	EMParts	7T7358 Filter-Cab Air	EA	1.000	30.04	30.04
259	05/20/25	EMParts	8Y4408 Nozzle Assembly-Sprayer	EA	1.000	9.26	9.26
269	05/21/25	EMParts	2405919 Shield-Heat Turbo Exhaust	EA	1.000	1,079.17	1,079.17
332	06/26/25	EMParts	2321732 Filter-Cab Air	EA	1.000	21.95	21.95
438	07/29/25	EMParts	2203373 Sleeve-Crank Seal	EA	1.000	49.39	49.39
439	07/29/25	EMParts	7L6580 Seal-O-Ring	EA	2.000	8.50	17.00
440	07/29/25	EMParts	1142687 Seal-O-Ring	EA	1.000	6.91	6.91
441	07/29/25	EMParts	8L2786 Seal-O-Ring	EA	1.000	12.92	12.92
442	07/29/25	EMParts	2097309 Plug-Dipstick	EA	1.000	18.67	18.67
443	07/29/25	EMParts	6V8676 Seal-O-Ring	EA	1.000	15.46	15.46



Work Order: 15348

Labour Total	0.00
Parts Total	6,875.33
Miscellaneous Total	0.00

Segment: 2 Inspections

Segment: 3 Wash and Clean Cab

Segment: 4 1000 Hour Service

Segment: 5 Repair Lights, wiring, Mirror,A/C

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1060	07/31/25	PR	Employee: 3108 Zachary Dean		HRS	4.000		

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repair Leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
247	07/09/25	PR	Employee: 3108 Zachary Dean		HRS	9.500		
248	07/10/25	PR	Employee: 3108 Zachary Dean		HRS	5.000		

Labour Total	14.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 T/S and Repair Engine smoke

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
70	07/02/25	PR	Employee: 3108 Zachary Dean		HRS	6.000		
71	07/03/25	PR	Employee: 3108 Zachary Dean		HRS	9.500		
245	07/07/25	PR	Employee: 3108 Zachary Dean		HRS	9.500		
246	07/08/25	PR	Employee: 3108 Zachary Dean		HRS	9.500		
249	07/14/25	PR	Employee: 3108 Zachary Dean		HRS	9.500		
250	07/15/25	PR	Employee: 3108 Zachary Dean		HRS	6.000		
251	07/16/25	PR	Employee: 3108 Zachary Dean		HRS	8.000		
1052	07/21/25	PR	Employee: 3108 Zachary Dean		HRS	1.500		
1053	07/22/25	PR	Employee: 3108 Zachary Dean		HRS	9.500		



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Work Order: 15348

1054	07/23/25	PR	Employee: 3103 Dallas Wood	HRS	1.000
1055	07/23/25	PR	Employee: 3108 Zachary Dean	HRS	9.500
1056	07/28/25	PR	Employee: 3108 Zachary Dean	HRS	8.000
1057	07/29/25	PR	Employee: 3108 Zachary Dean	HRS	9.500
1058	07/30/25	PR	Employee: 3103 Dallas Wood	HRS	1.500
1059	07/30/25	PR	Employee: 3108 Zachary Dean	HRS	8.000

Labour Total	106.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 Adjust Blade, Moldboard and Circle

Labour Total	125.00
Parts Total	7,084.12
Miscellaneous Total	0.00

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