



Work Order: 10076

EB10-69

Description: Inspection, 250 Service, Install Camera, Radar,	1226 Hours	Date Started: 2017-11-24
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon	RD-2017-368 Insheet	
Serial#: 5TN00615		

Segment: 1 Parts and Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
13	05/01/18	EMParts	1886126 Gasket		EA	1.000	1.24	1.24
14	05/01/18	EMParts	2H6338 Seal-O-Ring		EA	1.000	7.00	7.00
15	05/01/18	EMParts	3K0360 Seal-O-Ring		EA	2.000	1.83	3.66
16	05/01/18	EMParts	9M4849 Seal-O-Ring		EA	1.000	3.49	3.49
30	05/02/18	EMParts	0R4340 Injector(Nozzle Assembly)		EA	6.000	138.05	828.30
31	05/02/18	EMParts	1003833 Line-Injector		EA	1.000	181.52	181.52
32	05/02/18	EMParts	1003834 Line-Injector		EA	1.000	179.82	179.82
33	05/02/18	EMParts	1003835 Line-Injector		EA	1.000	179.82	179.82
34	05/02/18	EMParts	1331247 Seal-Valve Cover		EA	1.000	101.56	101.56
35	05/02/18	EMParts	1N9372 Gasket-Intake		EA	1.000	14.66	14.66
36	05/02/18	EMParts	2H6338 Seal-O-Ring		EA	1.000	7.00	7.00
37	05/02/18	EMParts	4L8337 Seal-O-Ring		EA	2.000	17.52	35.04
61	05/04/18	EMParts	1193355 Filter-Cab Air Standard Effici		EA	1.000	31.36	31.36
62	05/04/18	EMParts	1R0750 Filter-Fuel		EA	1.000	11.58	11.58
63	05/04/18	EMParts	1R1807 Filter-Oil Advanced Efficiency		EA	1.000	18.18	18.18
64	05/04/18	EMParts	6I0273 Filter-Air Primary		EA	1.000	56.83	56.83
65	05/04/18	EMParts	8C9657 Filter-Cab Air		EA	1.000	30.54	30.54
66	05/04/18	EMParts	9M2341 Filter		EA	1.000	11.10	11.10
67	11/05/18	EMParts	75W90 Certop SN 75W90 Gear Lube		EA	5.000	9.46	47.30
68	11/05/18	EMParts	TO4 Spectra Xtreme TO-4 All season		EA	84.000	5.46	458.64
86	05/08/18	EMParts	1R0719 Filter-Hydraulic		EA	1.000	13.15	13.15
149	05/10/18	EMParts	1D4597 Bolt-5/8"-11 x 6 1/2"		EA	2.000	10.52	21.04
150	05/10/18	EMParts	2463425 Seal Kit		EA	1.000	274.33	274.33
151	05/10/18	EMParts	5P8245 Washer-Hard		EA	4.000	1.02	4.08
152	05/10/18	EMParts	6V0314 Bolt		EA	4.000	2.82	11.28
153	05/10/18	EMParts	7K6117 Washer		EA	2.000	21.50	43.00
182	06/08/18	EMParts	Dyed Diesel Dyed Diesel		EA	107.880	1.10	119.04
338	05/15/18	EMParts	0R8256 Air Compressor		EA	1.000	1,740.63	1,740.63
339	05/15/18	EMParts	2P0220 Gasket		EA	1.000	8.45	8.45
340	05/15/18	EMParts	6L1883 Gasket		EA	1.000	3.48	3.48
341	05/15/18	EMParts	8M7065 Gasket-Compressor		EA	1.000	1.07	1.07
375	05/17/18	EMParts	2P0220 Gasket		EA	1.000	8.45	8.45
386	05/17/18	EMParts	71A3Kit Spray Valve Rebuild Kit(Bertol		EA	2.000	126.11	252.22
606	04/26/18	EMParts	1346750 Lens-Tail Light		EA	1.000	13.72	13.72

Labour Total	0.00
Parts Total	5,002.08
Miscellaneous Total	0.00

Segment: 2 Insheet Inspection

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
605	04/26/18	EMTime	Employee: 1266 Braden Bitzer		HRS	1.000		



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Labour Total	1.00
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
69	11/05/18	EMTime	Employee: 1074 Jack Lougheed		HRS	5.000		

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Engine Performance Test

*Compression Test all cylinders were good.
RPM Low, Adjusted Throttle Cable, Replaced Injectors and has Top RPM Now.
Test Drove Unit Transmission Shifts much better now.*

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
70	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	30.000		

Labour Total	30.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 250 Hour Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
71	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repalce L/R Tail light housing and cover

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
72	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	0.500		



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Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Check, adjust Differential levels and Tire Pressures

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
73	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 Replace Leaking hose under Cab

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
74	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 9 Reseal Plug on Hyd. Control Valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
75	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 10 R&R Reseal Both Front Struts and Set Ride Height

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
76	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	30.000		

Labour Total	30.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 11 Replace Air Compressor



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Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
77	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	4.000		

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 12 Install Camera and Radar

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
78	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	10.000		

Labour Total	10.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 13 Fill Water Tank and Test unit

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
79	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 14 Free'd up Window Cannnon

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
80	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 15 Repalced Sprayer Seal, Middle,L/H Rear and L/F Exhaust valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
81	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	2.000		



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Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 16 Replace Tank Level Hose, Reel Supply line and Drain Valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
82	11/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 17 Trouble Shoot and Repair Loose Connection

*Unit would not start in wash bay, removed lights to access Batteries.
Test batteries-Ok, Found Lose Connection and Repaired.*

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
83	11/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	4.000		

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 18 Outsheet Inspection

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
84	11/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	102.00
Parts Total	5,002.08
Miscellaneous Total	0.00

Description: Rebuild Front Strut Cylinder (7U7230)	GRO# 7940	Date Started: 2018-11-08
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon		
Serial#: 5TN00615		

Segment: 1 Parts and Service



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Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
209	11/08/18	EMParts	1194760 Ring-Wear		EA	1.000	35.40	35.40
210	11/08/18	EMParts	2J3961 Ring-Backup		EA	1.000	6.32	6.32
211	11/08/18	EMParts	2U9113 Seal		EA	1.000	49.77	49.77
212	11/08/18	EMParts	3119319 Seal Assembly-Buffer		EA	1.000	55.29	55.29
213	11/08/18	EMParts	3119321 Seal-Wiper		EA	1.000	46.37	46.37
214	11/08/18	EMParts	4J3745 Ring-Wear		EA	1.000	37.99	37.99
215	11/08/18	EMParts	5H6734 Seal-O-Ring		EA	1.000	6.74	6.74
216	11/08/18	EMParts	5P8245 Washer-Hard		EA	4.000	1.07	4.28
217	11/08/18	EMParts	6U9505 Seal		EA	1.000	110.37	110.37
218	11/08/18	EMParts	6V0314 Bolt-Locking (1/2-13x2")		EA	4.000	2.96	11.84
219	11/08/18	EMParts	7U6755 Piston		EA	1.000	563.00	563.00

Labour Total	0.00
Parts Total	927.37
Miscellaneous Total	0.00

Segment: 2 Reseal Cylinder

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
62	10/03/19	EMTime	Employee: 1575 Paul Nixon		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	1.50
Parts Total	927.37
Miscellaneous Total	0.00

Description: Inspections, Reseal Steering Cylinder and Rep: Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon Serial#: 5TN00615	1320 Hours (Meter Changed out @ 1536 Hours) RD-2019-160 Insheet RD-2019-187 Outsheet	Date Started: 2019-03-21
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Segment: 1 Parts and Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
546	04/16/19	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S5412520.001 Line: 1		LS	0.000	0.00	53.99
630	04/25/19	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S5422600.001 Line: 1		LS	0.000	0.00	13.98
37	05/02/19	EMParts	TO4 Spectra Xtreme TO-4 All season		EA	12.000	5.73	68.73
321	04/12/19	EMParts	1886126 Gasket		EA	1.000	1.24	1.24
322	04/12/19	EMParts	1H6227 Seal-O-Ring		EA	1.000	8.62	8.62
323	04/12/19	EMParts	2892935 Seal Assembly-Buffer (8C9124)		EA	1.000	30.15	30.15
324	04/12/19	EMParts	4T5613 Ring-Wear		EA	1.000	14.56	14.56



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325	04/12/19	EMParts	5J5402 Seal Assembly	EA	1.000	56.59	56.59
326	04/12/19	EMParts	5J7865 Ring-Back up	EA	1.000	8.49	8.49
327	04/12/19	EMParts	5U3644 Seal-Lip Type	EA	1.000	47.97	47.97
328	04/12/19	EMParts	5U3693 Seal-Wiper	EA	1.000	17.06	17.06
329	04/12/19	EMParts	6U3246 Ring-Wear	EA	1.000	42.53	42.53
330	04/12/19	EMParts	7C7733 Hose Assembly-Crankcase	EA	1.000	62.77	62.77
331	04/12/19	EMParts	8H2046 Seal-O-Ring	EA	1.000	8.27	8.27
332	04/12/19	EMParts	9M4849 Seal-O-Ring	EA	1.000	7.56	7.56
333	04/12/19	EMParts	OMT Operators Manual	EA	1.000	70.08	70.08
361	04/16/19	EMParts	2H3927 Seal-O-Ring	EA	1.000	2.54	2.54
362	04/16/19	EMParts	2K9470 Gasket	EA	1.000	7.13	7.13
363	04/16/19	EMParts	9X7740 Seal-Lipe Type	EA	1.000	90.70	90.70
364	04/16/19	EMParts	OS-7X4792 Seal	EA	1.000	0.00	0.00
365	04/16/19	EMParts	1184341 Seal Kit-Steering Metering Val	EA	1.000	43.86	43.86
396	04/17/19	EMParts	8F5340 Seal-Lip Type	EA	1.000	9.26	9.26
447	04/22/19	EMParts	5J2974 Seal-O-Ring	EA	2.000	1.88	3.76
448	04/22/19	EMParts	8F9206 Seal	EA	4.000	1.32	5.28
535	04/24/19	EMParts	1285532 Pump-Steering Metering	EA	1.000	1,548.97	1,548.97
578	04/26/19	EMParts	1283166 Switch-Pressure	EA	1.000	257.79	257.79
579	04/26/19	EMParts	8F9206 Seal	EA	1.000	1.32	1.32

Labour Total	0.00
Parts Total	2,483.20
Miscellaneous Total	0.00

Segment: 2 Insheet Inspection

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
599	03/22/19	EMTime	Employee: 2338 Nolan MacGregor		HRS	3.500		

Labour Total	3.50
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
57	05/02/19	EMTime	Employee: 1074 Jack Loughheed		HRS	7.000		

Labour Total	7.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Replace Rear upper Light Lense

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
56	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		



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Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Replace Suspension Needle Valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
55	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Reseal Steering Metering Valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
54	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	5.000		

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Remove, Inspect and Reseal Steering Pilot Valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
53	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 Trouble Shoot no Steering

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
52	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	4.000		

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00



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Segment: 9 R&R Replace Steering Metering Valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
51	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		
						Labour Total		1.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 10 Reseal R/H Steering Cylinder

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
50	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	4.000		
						Labour Total		4.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 11 Replace Transmission Input Seal

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
49	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	2.500		
						Labour Total		2.50
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 12 Replace Transference Front Out Put Seal

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
48	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	2.000		
						Labour Total		2.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 13 Trouble Shoot Transmission Code and Replace P2 Sensor

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
47	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.500		



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Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 14 Test Water System

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
46	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 15 Removeand Clean Front Left Sprayer

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
45	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 16 Trouble Shoot and Clean Cannon Valve

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
44	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 17 Replace Ball Valve on Fire Hose and Sel on Camlock

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
43	05/02/19	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 18 Replace O-Rings on the top Portion os Steering Valve



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Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
42	05/02/19	EMTime	Employee: 1575 Paul Nixon		HRS	2.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 19 Top up Front Differential Fluid

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
41	05/02/19	EMTime	Employee: 1575 Paul Nixon		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 20 Trouble Shoot no Steering

*Took apart Steering Valve, Metering Valve and Inspected.
Connected Gauges and Checked Pressures. Could not Pin point
problem, suspect Metering Valve and Order New Valve*

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
40	05/02/19	EMTime	Employee: 1575 Paul Nixon		HRS	20.000		

Labour Total	20.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 21 Set Ride Height

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
38	05/02/19	EMTime	Employee: 1575 Paul Nixon		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 22 Outsheet Inspection

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
39	05/02/19	EMTime	Employee: 1575 Paul Nixon		HRS	2.500		



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Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00
Labour Total	65.50
Parts Total	2,483.20
Miscellaneous Total	0.00

Description: 250 Hour Service and Trouble shoot transmissi 1500 Hours Date Started: 2019-07-31
 Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon GRO#7951,
 Serial#: 5TN00615

Segment: 1 Parts and Service

1-6I0273 Air Filter
 1-1R1807 Oil Filter
 1-9M2341 Fuel Filter
 1-1R0750 Fuel Filter
 From Sea Can

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
83	08/04/19	EMParts	5W40 Spectra 5W40		I	28.000	5.17	144.81
123	08/06/19	EMParts	1267896 Sensor - gear shift selector		EA	1.000	692.06	692.06
124	08/06/19	EMParts	3240843 Harness- tranny to sensor		EA	1.000	134.45	134.45
125	08/06/19	EMParts	3381462 Sensor- speed and shift		EA	1.000	947.22	947.22

Labour Total	0.00
Parts Total	1,918.54
Miscellaneous Total	0.00

Segment: 2 Trouble shoot unit not going into gear

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
84	08/04/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Test conection on shift controller

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
85	08/04/19	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		



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Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Replace shift controller

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
86	08/04/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Test transmission and clear codes

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
87	08/04/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 250 Hour Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
88	08/04/19	EMTime	Employee: 1577 Dylan Grant		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Replace transmission gear position sensor and test

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
354	08/17/19	EMTime	Employee: 1577 Dylan Grant		HRS	2.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00



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Labour Total	9.00
Parts Total	1,918.54
Miscellaneous Total	0.00

Description: Repair Leaking Water Pump Motor and Poor ou 1797 Hours **Date Started:** 2019-10-25
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon GRO#9915
 Unit over due for service
Serial#: 5TN00615

Segment: 1 Parts and Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
627	10/28/19	AP	Vendor: 10401 RBC Avion Visa Oct/19 Lance Line: 8		LS	0.000	0.00	314.33

Labour Total	0.00
Parts Total	314.33
Miscellaneous Total	0.00

Segment: 2 T/S Hydraulic Leak on Water pump and R&R Motor

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
619	10/29/19	EMTime	Employee: 1577 Dylan Grant		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 T/S Poor out put of water

*Tore down, inspected water pump and removed obstructions from housing.
 Ran and test.*

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
620	10/29/19	EMTime	Employee: 1577 Dylan Grant		HRS	3.500		

Labour Total	3.50
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	6.50
Parts Total	314.33
Miscellaneous Total	0.00



Work Order: 10592

Description: 250 Hour Service	1808 Hours	Date Started: 2019-11-06
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon	GRO#9958	
Serial#: 5TN00615		

Segment: 1 Parts and Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
253	11/12/19	EMParts	1R1807 Filter-Oil Advanced Efficiency		EA	1.000	18.18	18.18
254	11/12/19	EMParts	5W40 Spectra 5W40		I	28.000	5.20	145.60

Labour Total	0.00
Parts Total	163.78
Miscellaneous Total	0.00

Segment: 2 Service Engine Oil and Filter Only

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
255	11/12/19	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00
Labour Total	1.00
Parts Total	163.78
Miscellaneous Total	0.00

Description: Inspections and repairs	Monitor hours 1825	Date Started: 2020-02-04
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon	Monitor changed 1586	
Serial#: 5TN00615	Total hours 3411	
	RD-2020-113 Insheet	
	GRO#7206 - braden bitzer	
	RD-2020-192 Outsheets	
	GRO-9640/9586/9048/9129	

Segment: 1 Parts and Services

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
39	05/22/20	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S5807728.001		LS	0.000	0.00	44.80
			Line: 3					
40	05/21/20	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S5807001.001		LS	0.000	0.00	105.90
			Line: 1					
41	05/22/20	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S5808020.001		LS	0.000	0.00	178.86
			Line: 2					
42	05/21/20	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S5807475.001		LS	0.000	0.00	40.40
			Line: 1					
788	05/14/20	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S5801323.001		LS	0.000	0.00	240.50
			Line: 1					



Work Order: 10734

1868	05/27/20	AP	Vendor: 10830 UAP Inc. 564877675 Line: 1	LS	0.000	0.00	43.15
3876	05/20/20	AP	Vendor: 32797 P.S.I. Fluid Power Ltd 3129884 Line: 1	LS	0.000	0.00	363.03
3877	05/14/20	AP	Vendor: 10132 Gregg Distributors LP 059-293812 Line: 2	ft	5.000	0.97	4.85
4665	06/20/20	AP	Vendor: 10111 Finning (Canada) a division of Finning International 984915523 Line: 1	EA	-1.000	53.82	-53.82
235	08/11/20	EMParts	0S0484 Bolt	EA	1.000	3.00	3.00
286	08/12/20	EMParts	8N3844 Sender	EA	1.000	77.16	77.16
291	08/12/20	EMParts	5P1086 Seal	EA	1.000	127.53	127.53
292	08/12/20	EMParts	1323071 Seal-Lip Type	EA	1.000	140.60	140.60
298	08/12/20	EMParts	1886126 Gasket	EA	1.000	1.66	1.66
299	08/12/20	EMParts	4M6480 Gasket	EA	1.000	1.99	1.99
300	08/12/20	EMParts	9M4849 Seal-O-Ring	EA	1.000	8.01	8.01
311	06/11/20	EMParts	65127 5/16" Fuel/Emission Hose	ft	5.000	0.97	4.85
586	06/12/20	EMParts	2P0220 Gasket	EA	1.000	8.45	8.45
587	06/12/20	EMParts	6I2123 Gasket	EA	1.000	53.82	53.82
588	06/12/20	EMParts	8M7065 Gasket-Compressor	EA	1.000	1.93	1.93
688	08/16/20	EMParts	60/40 Rad-Cool Antifreeze	EA	6.000	5.90	35.39
689	08/16/20	EMParts	TO4 Spectra Xtreme TO-4 All season	EA	28.000	5.59	156.54
1067	04/23/20	EMParts	1323071 Seal-Lip Type	EA	1.000	137.34	137.34
1068	04/23/20	EMParts	2225824 Seal-Lip Type	EA	1.000	90.73	90.73
1069	04/23/20	EMParts	7U1277 Seal-O-Ring	EA	1.000	16.11	16.11
1098	04/24/20	EMParts	2M9780 Seal-O-Ring	EA	2.000	2.02	4.03
1099	04/24/20	EMParts	2W2506 Seal-Spacer	EA	1.000	65.05	65.05
1100	04/24/20	EMParts	3J1907 Seal-O-Ring	EA	1.000	1.74	1.74
1101	04/24/20	EMParts	3J7354 Seal-O-Ring	EA	1.000	1.50	1.50
1102	04/24/20	EMParts	3K0360 Seal-O-Ring	EA	1.000	2.13	2.13
1103	04/24/20	EMParts	4J0520 Seal-O-Ring Flange -16	EA	1.000	3.67	3.67
1104	04/24/20	EMParts	5K9090 Seal-O-Ring	EA	1.000	2.09	2.09
1105	04/24/20	EMParts	6K6307 Seal-O-Ring	EA	1.000	4.58	4.58
1106	04/24/20	EMParts	6V8397 Seal-O-Ring Face -6	EA	2.000	1.89	3.77
1107	04/24/20	EMParts	6V8398 Seal-O-Ring Face -8	EA	3.000	1.96	5.88
1108	04/24/20	EMParts	7M8485 Seal-O-Ring	EA	1.000	3.01	3.01
1109	04/24/20	EMParts	8T0315 Seal-O-Ring	EA	1.000	3.27	3.27
1110	04/24/20	EMParts	8T5040 Seal-Lip Type	EA	1.000	64.47	64.47
1597	06/17/20	EMParts	Dyed Diesel Dyed Diesel	EA	104.480	0.60	62.99
1892	05/29/20	EMParts	4D1998 Strainer-Fuel	EA	1.000	60.59	60.59

Labour Total	0.00
Parts Total	2,121.55
Miscellaneous Total	0.00

Segment: 2 Insheet Inspection

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
254	02/07/20	EMTime	Employee: 1577 Dylan Grant		HRS	2.000		
962	02/11/20	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Wash and Clean Cab



Work Order: 10734

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1418	02/20/20	EMTime	Employee: 1074 Jack Loughheed		HRS	6.000		

Labour Total 6.00

Parts Total 0.00

Miscellaneous Total 0.00

Segment: 4 Check Fluids and boost before hauling to red deer

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
74	02/04/20	EMTime	Employee: 1266 Braden Bitzer		HRS	1.000		

Labour Total 1.00

Parts Total 0.00

Miscellaneous Total 0.00

Segment: 5 T/S and repair oil leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1113	05/14/20	PR	Employee: 1577 Dylan Grant		HRS	2.000		
1533	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	2.000		
2566	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	-2.000		
2567	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	2.000		
3023	05/19/20	PR	Employee: 1577 Dylan Grant		HRS	2.000		
3024	05/20/20	PR	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total 6.50

Parts Total 0.00

Miscellaneous Total 0.00

Segment: 6 T/S and repair leaking transmission output seal

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1111	05/13/20	PR	Employee: 1577 Dylan Grant		HRS	0.500		
1114	05/14/20	PR	Employee: 1577 Dylan Grant		HRS	4.000		
1534	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	1.500		
1535	04/24/20	PR	Employee: 1577 Dylan Grant		HRS	2.000		
2568	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	-1.500		
2569	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	1.500		
2570	04/24/20	PR	Employee: 1577 Dylan Grant		HRS	-2.000		
2571	04/24/20	PR	Employee: 1577 Dylan Grant		HRS	2.000		



Work Order: 10734

Labour Total	8.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Check and adjust Fluid Levels

Segment: 8 T/S, repair Speedo/Trans Temp/Fuel gauges and sprayers

- Speedometer
- Trans Temp
- Fuel gauge
- sprayers
- no high beams

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1112	05/13/20	PR	Employee: 1577 Dylan Grant		HRS	1.000		
1115	05/14/20	PR	Employee: 1577 Dylan Grant		HRS	3.000		
1117	05/15/20	PR	Employee: 1577 Dylan Grant		HRS	1.000		
3025	05/20/20	PR	Employee: 1577 Dylan Grant		HRS	3.000		
3028	05/21/20	PR	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total	9.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 9 T/S and repair Coolant leak L/H upper rad hose

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
3026	05/20/20	PR	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 10 T/S Shifting out of first until 2400rpm

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1110	05/04/20	PR	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 11 T/S and repair A/C



Work Order: 10734

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
3022	05/19/20	PR	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 12 T/S and repair P.A.S.S. not working

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1532	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	0.500		
2564	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	-0.500		
2565	04/23/20	PR	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 13 Check out water pumping system

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1116	05/15/20	PR	Employee: 1577 Dylan Grant		HRS	1.500		
3027	05/21/20	PR	Employee: 1577 Dylan Grant		HRS	7.000		
3029	05/22/20	PR	Employee: 1577 Dylan Grant		HRS	4.000		

Labour Total	12.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 14 Install hyd pump

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
466	05/03/20	PR	Employee: 1577 Dylan Grant		HRS	3.000		
1108	05/03/20	PR	Employee: 1577 Dylan Grant		HRS	-3.000		
1109	05/03/20	PR	Employee: 1577 Dylan Grant		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 15 Weld nuts on water tank



Work Order: 10734

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1775	05/21/20	PR	Employee: 2395 Nickolas Schou		HRS	0.500		
2085	05/21/20	PR	Employee: 2395 Nickolas Schou		HRS	-0.500		
2086	05/21/20	PR	Employee: 2395 Nickolas Schou		HRS	0.500		
2577	05/21/20	PR	Employee: 2395 Nickolas Schou		HRS	-0.500		
2578	05/21/20	PR	Employee: 2395 Nickolas Schou		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 16 Outsheet inspection

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2087	05/25/20	PR	Employee: 2395 Nickolas Schou		HRS	6.000		
2579	05/25/20	PR	Employee: 2395 Nickolas Schou		HRS	-6.000		
2580	05/25/20	PR	Employee: 2395 Nickolas Schou		HRS	6.000		
2582	05/28/20	PR	Employee: 2395 Nickolas Schou		HRS	1.500		

Labour Total	7.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 17 Repair Leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2581	05/27/20	PR	Employee: 2395 Nickolas Schou		HRS	5.000		
2583	05/28/20	PR	Employee: 2395 Nickolas Schou		HRS	2.500		

Labour Total	7.50
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	68.50
Parts Total	2,121.55
Miscellaneous Total	0.00

Description: R&R hydraulic hose and Rear Lights	GRO 5045/5137/5143	Date Started: 2020-06-10
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon		
Serial#: 5TN00615		



Work Order: 11203

Segment: 1 parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
4012	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342460 Line: 2	EA		1.000	51.06	51.06
4013	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342474 Line: 2	EA		1.000	25.10	25.10
4014	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342474 Line: 3	EA		1.000	6.16	6.16
4190	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342459 Line: 2	ft		4.000	17.98	71.92
4191	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342459 Line: 3	EA		1.000	25.10	25.10
4192	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342459 Line: 4	EA		1.000	22.77	22.77
4193	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342459 Line: 5	EA		1.000	18.83	18.83
4194	06/26/20	AP	Vendor: 10064 Comrades Parts & Accessories Ltd. 000-342459 Line: 6	EA		1.000	27.33	27.33
1141	07/17/20	EMParts	1303565 Bulb-24v		EA	2.000	2.94	5.88
1142	07/17/20	EMParts	8U2622 Bulb		EA	4.000	4.11	16.44
			PO - Open - #1014672 - 10064 316 101233 #16 JIC 90 HOSE FITTING		EA	1.00	51.06	51.06
			PO - Open - #1014672 - 10064 316 100666 A"Hx16FJIC SWVL HOSE END		EA	1.00	25.10	25.10
			PO - Open - #1014672 - 10064 316 143688 #16 JIC UNION ADAPTER		EA	1.00	6.16	6.16
			PO - Open - #1014672 - 10064 316 010466x 1" DR12X 4-wire hydr hose		ft	4.00	17.98	71.92
			PO - Open - #1014672 - 10064 316 100666 1"Hx16FJIC Swvl hose end		EA	1.00	25.10	25.10
			PO - Open - #1014672 - 10064 316 146306 16FJICx1"MNPT Adapter		EA	1.00	22.77	22.77
			PO - Open - #1014672 - 10064 316 143008 12DJICx1"FNPT str adapter		EA	1.00	18.83	18.83
			PO - Open - #1014672 - 10064 316 144437 #16 JIC Tee		EA	1.00	27.33	27.33
Labour Total						0.00		
Parts Total						518.86		
Miscellaneous Total						0.00		

Segment: 2 Repair and tighten FE brackets and add bolts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1268	06/10/20	PR	Employee: 1266 Braden Bitzer		HRS	1.000		
Labour Total						1.00		
Parts Total						0.00		
Miscellaneous Total						0.00		

Segment: 3 Remove rear left light assembly and order parts for Dylan

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
3545	06/25/20	PR	Employee: 1266 Braden Bitzer		HRS	0.500		
Labour Total						0.50		
Parts Total						0.00		
Miscellaneous Total						0.00		



Work Order: 11203

Segment: 4 tighten hyd fittings to rear pump- Re-build rear hose

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
3546	06/25/20	PR	Employee: 1266 Braden Bitzer		HRS	0.500		
3547	06/26/20	PR	Employee: 1266 Braden Bitzer		HRS	3.000		
Labour Total						3.50		
Parts Total						0.00		
Miscellaneous Total						0.00		
Labour Total						5.00		
Parts Total						518.86		
Miscellaneous Total						0.00		

Description: 250 service & disagnose loss of gear selection 2062 HRS Date Started: 2020-08-26
 Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon GRO# 7470/6773/8065/8027/8031
 Serial#: 5TN00615

Segment: 1 parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
322	12/15/20	EMParts	5W40 Spectra 5W40		I	15.000	5.22	78.23
1111	09/23/20	EMParts	1193355 Filter-Cab Air Standard Effici		EA	1.000	24.91	24.91
1112	09/23/20	EMParts	1R0719 Filter-Hydraulic		EA	1.000	13.15	13.15
1113	09/23/20	EMParts	1R0750 Filter-Fuel		EA	1.000	11.58	11.58
1114	09/23/20	EMParts	1R1807 Filter-Oil Advanced Efficiency		EA	1.000	18.18	18.18
1115	09/23/20	EMParts	2189894 Coil Assembly		EA	1.000	155.72	155.72
1116	09/23/20	EMParts	6I0273 Filter-Air Primary		EA	1.000	43.27	43.27
1117	09/23/20	EMParts	9M2341 Filter-Fuel		EA	1.000	11.10	11.10
1808	09/21/20	EMParts	TO4 Spectra Xtreme TO-4 All season		EA	8.000	7.00	56.00
Labour Total						0.00		
Parts Total						412.14		
Miscellaneous Total						0.00		

Segment: 2 250 Service and checkover

Segment: 3 Diagnose loss of gear fuction - no communication with J1939

Looked into Trans. Failure to go into gear. Could not find any failure to recur, drove and shifted fine.
 Plugged in comp. and could not find any codes or history of trans. codes.(Greg R)

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
838	09/18/20	PR	Employee: 2471 Greg Royer		HRS	1.500		
1642	09/21/20	PR	Employee: 1266 Braden Bitzer		HRS	3.000		



Work Order: 11462

2426 08/26/20 PR Employee: 1266 Braden Bitzer HRS 1.000

Labour Total	5.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 T/S and Repair Transmission Shift Solenoid Coil

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1643	09/22/20	PR	Employee: 2471 Greg Royer		HRS	3.500		
2472	09/22/20	PR	Employee: 2471 Greg Royer		HRS	-3.500		
2473	09/22/20	PR	Employee: 2471 Greg Royer		HRS	3.500		

Labour Total	3.50
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	9.00
Parts Total	660.41
Miscellaneous Total	0.00

Description: Inspections and Repairs	2100 Hours	Date Started: 2021-03-24
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon	RD-2021-162 Insheet	
Serial#: 5TN00615		

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
86	04/03/24	AP	Vendor: 32459 Fountain Tire (004C00013647) 0481141738 Line: 1	LS		0.000	0.00	213.86
121	04/03/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7345962.001 Line: 1	EA		-4.000	7.77	-31.08
122	04/03/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7345962.001 Line: 2	EA		4.000	7.71	30.84
123	04/03/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7345962.001 Line: 3	EA		1.000	8.94	8.94
124	04/03/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7345962.001 Line: 4	EA		1.000	16.10	16.10
125	04/03/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7345962.001 Line: 5	EA		1.000	239.40	239.40
126	04/05/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7349267.001 Line: 1	EA		12.000	0.66	7.92
127	04/01/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7342319.001 Line: 1	LS		0.000	0.00	120.96
128	04/01/24	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7342624.001 Line: 1	EA		4.000	7.77	31.08
206	04/15/24	AP	Vendor: 10321 Union Tractor Ltd. 040-232014 Line: 1	EA		12.000	18.90	226.80
207	04/16/24	AP	Vendor: 10132 Gregg Distributors LP 059-636606 Line: 1	EA		1.000	45.94	45.94
233	06/05/25	AP	Vendor: 32459 Fountain Tire (004C00013647) 0481154293 Line: 1	LS		0.000	0.00	524.11
1947	04/29/24	AP	Vendor: 10401 RBC Avion Visa Apr 24_L Dahl Line: 4	EA		1.000	137.70	137.70
9	04/01/24	EMP	1694199 Gasket-Oil Pan	EA		1.000	77.34	77.34



GCS Energy Services Ltd.

Work Order: 11993

10	04/01/24	EMParts	1694200 Gasket-Oil Pan	EA	1.000	70.61	70.61
11	04/01/24	EMParts	6H8021 Bowl-Air Prefilter	EA	1.000	81.53	81.53
69	04/04/24	EMParts	3E8772 Switch Assembly-Head Light&Tai	EA	1.000	150.92	150.92
70	04/04/24	EMParts	1336104 Seal	EA	3.000	19.29	57.87
102	04/09/24	EMParts	2526677 Switch	EA	1.000	226.18	226.18
103	04/09/24	EMParts	6U9992 Seal	EA	1.000	29.59	29.59
104	04/09/24	EMParts	6U9994 Seal	EA	1.000	34.16	34.16
653	08/17/21	EMParts	Dyed Diesel Dyed Diesel	EA	7.570	0.98	7.46
897	03/28/24	EMParts	1193355 Filter-Cab Air Standard Effici	EA	1.000	46.13	46.13
898	03/28/24	EMParts	8C9657 Filter-Cab Air	EA	1.000	108.39	108.39

Labour Total	0.00
Parts Total	2,462.75
Miscellaneous Total	0.00

Segment: 2 Insheet and Outsheet Inspections

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
262	04/06/21	PR	Employee: 2471 Greg Royer		HRS	2.500		
1177	03/27/24	PR	Employee: 3109 Cameron Ellsworth		HRS	5.500		

Labour Total	8.00
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
412	04/08/24	PR	Employee: 2623 Brenton Woolman		HRS	6.500		
413	04/09/24	PR	Employee: 2623 Brenton Woolman		HRS	8.500		
415	04/10/24	PR	Employee: 2623 Brenton Woolman		HRS	2.000		

Labour Total	17.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Repair Leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
406	04/01/24	PR	Employee: 3109 Cameron Ellsworth		HRS	7.500		
407	04/02/24	PR	Employee: 3109 Cameron Ellsworth		HRS	8.500		
1178	03/28/24	PR	Employee: 3109 Cameron Ellsworth		HRS	8.000		



Work Order: 11993

Labour Total	24.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Repair water system/valves/hoses

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
409	04/04/24	PR	Employee: 3109 Cameron Ellsworth		HRS	8.000		
414	04/09/24	PR	Employee: 3109 Cameron Ellsworth		HRS	1.000		
416	04/10/24	PR	Employee: 3109 Cameron Ellsworth		HRS	2.000		
417	04/12/24	PR	Employee: 3109 Cameron Ellsworth		HRS	2.500		
1179	03/28/24	PR	Employee: 3110 Callum Deditch		HRS	1.500		

Labour Total	15.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repair lights/electrical

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
408	04/03/24	PR	Employee: 3109 Cameron Ellsworth		HRS	5.500		
410	04/05/24	PR	Employee: 3103 Dallas Wood		HRS	1.000		
411	04/05/24	PR	Employee: 3109 Cameron Ellsworth		HRS	7.500		

Labour Total	14.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Rotate tires, replace wheel studs

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
137	06/03/25	PR	Employee: 3087 Bogdan (Dan) Korchinskii		HRS	4.000		
138	06/05/25	PR	Employee: 3087 Bogdan (Dan) Korchinskii		HRS	2.000		
139	06/06/25	PR	Employee: 3087 Bogdan (Dan) Korchinskii		HRS	4.000		
1141	04/15/24	PR	Employee: 3109 Cameron Ellsworth		HRS	5.000		

Labour Total	15.00
Parts Total	0.00
Miscellaneous Total	0.00



Work Order: 11993

Labour Total	93.00
Parts Total	2,711.02
Miscellaneous Total	0.00

Description: 1000 Hr Service	996 Hours (+1586 Hours)	Date Started: 2016-12-06
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon	RD-2016-419 Insheet	
Serial#: 5TN00615		

Segment: 1 1000 Hr Service - Parts

2L Ext. life coolant
 28L 5W40
 48L to-01
 110L 75W90
 1 - 7X4792 - Seal
 1 - 2S8439 - Seal O Ring
 1 - 3D2824 - Seal O Ring
 2 - 8H2778 - Gasket
 1 - PG-300 - Bottom Mount Pressure Gauge
 1 - 1206593 - Film
 1 - 2K9470 - Gasket
 1 - 1R0719 - Filter A
 1 - 8J1665 - Seal O Ring
 1 - 5F3106 - Seal
 1 - 3616576 - Sensor GP-TE
 1 - 1185447 - Speed MTR AS
 1 - 6I-0273 Air Primary
 1 - 6I-0274 - Air Secondary
 1 - 1R-1807 - Oil
 1 - 9M-2341 - Fuel/Water
 1 - 1R-0750 - Fuel
 1 - 1R-0719 - Powertrain
 2 - 1R-041/1R-0778 - Hyd (2)
 1 - 8J-1665 - Hyd cover seal
 1 - 8C-9657 - CAB
 1 - 119-3355 - CAB

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
70	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	9.500		

Labour Total	9.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 2 Replace Speedometer

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
57	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	1.500		



Work Order: Z10002

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Replace Fire Extinguisher

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
58	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Replace Decals

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
59	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Unplug Air Reservoir Drain

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
60	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total	0.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Check and Top Up Tire Pressures

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
61	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Loosen up positive air shut off



Work Order: Z10002

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
62	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total 0.50

Parts Total 0.00

Miscellaneous Total 0.00

Segment: 8 Test Machine for Leaks, shift issues

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
63	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	1.500		

Labour Total 1.50

Parts Total 0.00

Miscellaneous Total 0.00

Segment: 9 Replace Air Pressure guage

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
64	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	0.500		

Labour Total 0.50

Parts Total 0.00

Miscellaneous Total 0.00

Segment: 10 Diagnose and repair dash backlights

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
65	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	4.000		

Labour Total 4.00

Parts Total 0.00

Miscellaneous Total 0.00

Segment: 11 Replace front diff input shaft and seal

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
66	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	3.000		



Work Order: Z10002

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 12 Fill water and test pumps

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
67	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 13 Boost machine

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
68	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	1.000		

Labour Total	1.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 14 InSheet

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
69	01/05/18	EMTime	Employee: 1577 Dylan Grant		HRS	2.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 15 Wash Machine

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
72	01/05/18	EMTime	Employee: 1074 Jack Loughheed		HRS	10.000		

Labour Total	10.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 16 Outsheet / Inspection



Work Order: Z10002

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
71	01/05/18	EMTime	Employee: 1575 Paul Nixon		HRS	1.000		

Labour Total 1.00

Parts Total 0.00

Miscellaneous Total 0.00

Labour Total 39.50

Parts Total 248.27

Miscellaneous Total 0.00

Description: R&R brake line GRO6653 **Date Started:** 2019-05-28
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon
Serial#: 5TN00615

Segment: 1 parts

1 x 7U9627 - tube A

Segment: 2 Repair and Replace front left brake line

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2183	05/28/19	EMTime	Employee: 1266 Braden Bitzer		HRS	3.000		

Labour Total 3.00

Parts Total 0.00

Miscellaneous Total 0.00

Labour Total 3.00

Parts Total 248.27

Miscellaneous Total 0.00

Description: Regular maintenance GRO6669 **Date Started:** 2019-10-02
Equipment: E316 Caterpillar D250E 6 x 6 Water Wagon
Serial#: 5TN00615

Segment: 1 parts

1 x 8N3844 -sender
 1 x 7N7854 - switch
 1 x H3 - 24V lamp
 30L x Trans/hyd. oil



Work Order: Z10171

Segment: 2 R&R sensor/sender

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2201	10/02/19	EMTime	Employee: 1266 Braden Bitzer		HRS	2.000		
						Labour Total		2.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 3 Repair wire end connectore and replace switch

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2202	10/02/19	EMTime	Employee: 1266 Braden Bitzer		HRS	2.000		
						Labour Total		2.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 4 drain transmission oil and top up fluids

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2203	10/02/19	EMTime	Employee: 1266 Braden Bitzer		HRS	1.000		
						Labour Total		1.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 5 Replace rear right work light and reposition rear spray bars

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
2204	10/02/19	EMTime	Employee: 1266 Braden Bitzer		HRS	1.000		
						Labour Total		1.00
						Parts Total		0.00
						Miscellaneous Total		0.00
						Labour Total		6.00
						Parts Total		248.27
						Miscellaneous Total		0.00