



Work Order: 12867

EB10-112

Description: Inspections and Repairs	3586.5 Hours	Date Started: 2022-03-02
Equipment: E664 Hitachi ZX470LC-5 Excavator	RD-2022-121 Insheet	
	RD-2022-257 Outsheet	
	GRO# 11329	
Serial#: HCMJAA70T00030906		

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
261	04/12/22	AP	Vendor: 10508 Red Deer Fasteners & Tools Ltd. H22343 Line: 2	EA		3.000	1.68	5.05
2089	11/24/22	AP	Vendor: 10034 Brandt Tractor Ltd. 05 4515894 Line: 1	EA		-1.000	320.79	-320.79
2090	11/24/22	AP	Vendor: 10034 Brandt Tractor Ltd. 05 4515893 Line: 1	EA		-1.000	376.78	-376.78
2115	05/02/22	AP	Vendor: 10407 Onsite Machining Solutions Ltd. 4184 Line: 1	LS		0.000	0.00	1,925.00
17	04/04/22	EMParts	4612763 Belt	EA		1.000	76.01	76.01
18	04/04/22	EMParts	8981732480 V-Belt (3 Rib)	EA		1.000	138.80	138.80
19	04/04/22	EMParts	4363399 Filter-Hydraulic	EA		1.000	47.43	47.43
20	04/04/22	EMParts	4630525 Filter-Hydraulic Pilot	EA		1.000	27.78	27.78
21	04/04/22	EMParts	4632689 Filter-Cab Air(4S00686)	EA		1.000	26.01	26.01
22	04/04/22	EMParts	4654745 Filter-Hydraulic Tank	EA		1.000	167.75	167.75
23	04/04/22	EMParts	FYA00001490 Filter-Cab Air	EA		1.000	22.02	22.02
29	04/05/22	EMParts	24505 Lock-Out Lever Kit	EA		1.000	21.83	21.83
30	04/05/22	EMParts	4153538 Seal-O-Ring	EA		1.000	11.87	11.87
31	04/05/22	EMParts	CH14701 Seal-O-Ring	EA		1.000	3.06	3.06
135	04/08/22	EMParts	4251212 Lip Seal-Pin 110MM	EA		2.000	29.54	59.08
141	04/08/22	EMParts	AT301074 Back Up Alarm	EA		1.000	296.93	296.93
213	04/11/22	EMParts	4648439 Strut-Hood	EA		1.000	60.78	60.78
576	08/12/22	EMParts	75W90 Certop SN 75W90 Gear Lube	EA		26.000	9.48	246.45
577	08/12/22	EMParts	Zink Free Multiloil 5w20 Zink-Free Hydraul	EA		325.000	6.25	2,029.84
865	09/22/22	EMParts	0838002 O-Ring	EA		6.000	1.81	10.86
866	09/22/22	EMParts	0979231 O-Ring	EA		2.000	20.41	40.82
867	09/22/22	EMParts	A811040 Seal-O-Ring	EA		1.000	3.90	3.90
876	04/26/22	EMParts	3104742R Pin-110mm	EA		1.000	696.52	696.52
954	09/26/22	EMParts	0838002 O-Ring	EA		7.000	1.81	12.67
1028	09/28/22	EMParts	1194103 Spring	EA		2.000	55.08	110.16
1029	09/28/22	EMParts	FXB00001195 Poppet	EA		2.000	193.52	387.04
1030	09/28/22	EMParts	FXB00001333 Poppet	EA		1.000	458.27	458.27
1031	09/28/22	EMParts	FYA00040023 Poppet	EA		1.000	525.40	525.40

Labour Total	0.00
Parts Total	6,713.76
Miscellaneous Total	0.00

Segment: 2 Insheet and Outsheet Inspections

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
243	03/02/22	PR	Employee: 1575 Paul Nixon		HRS	2.500		
628	10/04/22	PR	Employee: 2395 Nickolas Schou		HRS	2.000		
1816	05/26/22	PR	Employee: 2395 Nickolas Schou		HRS	3.500		



Work Order: 12867

Labour Total	8.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Wash Unit, Paint

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1813	05/20/22	PR	Employee: 2623 Brenton Woolman		HRS	1.000		
1814	05/24/22	PR	Employee: 2623 Brenton Woolman		HRS	9.500		
1815	05/25/22	PR	Employee: 2623 Brenton Woolman		HRS	6.000		
1817	05/27/22	PR	Employee: 2623 Brenton Woolman		HRS	9.500		
2082	05/30/22	PR	Employee: 2623 Brenton Woolman		HRS	5.000		

Labour Total	31.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 4000 Hour Service(No Engine)

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
710	04/05/22	PR	Employee: 2471 Greg Royer		HRS	2.000		
714	04/07/22	PR	Employee: 2471 Greg Royer		HRS	0.500		
718	04/11/22	PR	Employee: 2471 Greg Royer		HRS	1.500		
1470	09/29/22	PR	Employee: 1575 Paul Nixon		HRS	2.500		

Labour Total	6.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Replace Fan and A/C Belts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
708	04/04/22	PR	Employee: 2471 Greg Royer		HRS	2.000		
1471	09/29/22	PR	Employee: 1575 Paul Nixon		HRS	0.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repair, Seat, Panels and Raillings

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
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Work Order: 12867

709	04/04/22	PR	Employee: 2471 Greg Royer	HRS	3.000
711	04/05/22	PR	Employee: 2471 Greg Royer	HRS	1.000
716	04/08/22	PR	Employee: 2471 Greg Royer	HRS	1.000

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Check, Repair Q/A Pin's and Bushings

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
551	05/05/22	PR	Employee: 2471 Greg Royer		HRS	3.500		
717	04/08/22	PR	Employee: 2471 Greg Royer		HRS	3.500		
719	04/11/22	PR	Employee: 2471 Greg Royer		HRS	2.000		

Labour Total	9.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 8 Repair leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
712	04/05/22	PR	Employee: 2471 Greg Royer		HRS	1.000		
713	04/06/22	PR	Employee: 2471 Greg Royer		HRS	1.000		
715	04/07/22	PR	Employee: 2471 Greg Royer		HRS	2.000		

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 9 Check out undercarriage

Segment: 10 Check and advise on LH Final drive

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
728	09/13/22	PR	Employee: 1575 Paul Nixon		HRS	4.500		
729	09/16/22	PR	Employee: 1575 Paul Nixon		HRS	2.000		

Labour Total	6.50
Parts Total	0.00
Miscellaneous Total	0.00



Work Order: 12867

Segment: 11 T/S for boom drop issue

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
627	10/04/22	PR	Employee: 2395 Nickolas Schou		HRS	4.500		
1468	09/26/22	PR	Employee: 1575 Paul Nixon		HRS	1.000		
1469	09/26/22	PR	Employee: 2395 Nickolas Schou		HRS	5.000		
						Labour Total	10.50	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Segment: 12 Cork unit

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
479	12/08/22	PR	Employee: 2873 Isaac Simpkin		HRS	9.000		
480	12/08/22	PR	Employee: 3063 Jordan Yasinski		HRS	7.500		
481	12/09/22	PR	Employee: 2873 Isaac Simpkin		HRS	5.000		
482	12/09/22	PR	Employee: 3063 Jordan Yasinski		HRS	2.500		
						Labour Total	24.00	
						Parts Total	0.00	
						Miscellaneous Total	0.00	
						Labour Total	107.00	
						Parts Total	6,713.76	
						Miscellaneous Total	0.00	

Description: Rental Return Emsco	3586.5 Hours	Date Started: 2022-03-02
Equipment: E664 Hitachi ZX470LC-5 Excavator	RD-2022-121 Insheet RD-2022-257 Outsheet	
Serial#: HCMJAA70T00030906		

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1	03/01/23	EMParts	8981732480 V-Belt (3 Rib)		EA	1.000	142.24	142.24
28	04/05/22	EMParts	2038764 Bracket-Hammer		EA	1.000	16.41	16.41
35	03/02/22	EMParts	Dyed Diesel Dyed Diesel		EA	378.540	1.18	447.53
81	03/07/22	EMParts	FYA00003014 Vent Louver-Round		EA	1.000	35.72	35.72
82	03/07/22	EMParts	FYA00070858 Strainer-Fuel		EA	1.000	74.50	74.50
122	04/07/22	EMParts	J850412 Screw		EA	1.000	0.53	0.53
136	04/08/22	EMParts	60TA1616 Adapter 45* -16 Male NPT x -16		EA	2.000	13.06	26.12
137	04/08/22	EMParts	924SABSMP2016 Adapter(-20 Male BSPP x -16 Ma		EA	2.000	32.65	65.30
138	04/08/22	EMParts	C201VV16 Coupler-Female Aux. 1"		EA	1.000	55.74	55.74
139	04/08/22	EMParts	C202VV16 Coupler-Male Aux. 1"		EA	1.000	31.92	31.92



Work Order: 12868

Labour Total	0.00
Parts Total	896.01
Miscellaneous Total	0.00

Segment: 2 Wash and Clean Cab

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
817	03/18/22	PR	Employee: 2623 Brenton Woolman		HRS	7.500		
2033	03/21/22	PR	Employee: 2623 Brenton Woolman		HRS	9.000		

Labour Total	16.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Remove customer decals and Markings

Remove renter decals from unit and buckets.
Remove marker from front of cover above swing motors.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
102	04/01/22	PR	Employee: 2471 Greg Royer		HRS	1.000		
705	04/11/22	PR	Employee: 2471 Greg Royer		HRS	1.000		

Labour Total	2.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 Repair camera and radar brackets and wiring

Camera on R/S has broken mount and hanging from cord.
Bracket on Counter weight bent.
Radar box broken/missing in cab, other one is zip tied out of the way.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
103	04/01/22	PR	Employee: 2471 Greg Royer		HRS	5.500		
701	04/04/22	PR	Employee: 2471 Greg Royer		HRS	4.500		
706	04/11/22	PR	Employee: 2471 Greg Royer		HRS	5.000		
707	04/12/22	PR	Employee: 2471 Greg Royer		HRS	1.000		

Labour Total	16.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Repair Lights and Battery Cover



Work Order: 12868

Tool Box light lens cracked, but still works.
 L/H boom light bent inwards and R/H burnt out
 Battery cover loose, missing 2 wing nuts and washers.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
702	04/08/22	PR	Employee: 2471 Greg Royer		HRS	1.000		
						Labour Total		1.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 6 Repair Handles, Fuel Screen, Louvers, cat walk and Manual

Grab handle by toolbox bent.
 No Fuel Screen.
 Cab door seal falling off at bottom of door.
 Cab door sliding window latch missing screw.
 Belly pan under fuel filter bent.
 Window tool holder broken, tool in cab behind seat.
 Bolt missing on belly pan under hyd. pumps.
 Engine belly pan bent, hinges hanging down.
 R/H rear upper track frame step bent.
 One round louver behind seat broken.
 Operators manual missing cover.
 Dent in rear catwalk.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
703	04/08/22	PR	Employee: 2471 Greg Royer		HRS	1.000		
						Labour Total		1.00
						Parts Total		0.00
						Miscellaneous Total		0.00

Segment: 7 Replace Aux. Couplers

No Aux. couplers on either side of stick.

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
704	04/08/22	PR	Employee: 2471 Greg Royer		HRS	0.500		
						Labour Total		0.50
						Parts Total		0.00
						Miscellaneous Total		0.00
						Labour Total		37.00
						Parts Total		896.01
						Miscellaneous Total		0.00



Work Order: 13754

Description: Repair for no start	Unit at TMX Site	Date Started: 2022-12-21
Equipment: E664 Hitachi ZX470LC-5 Excavator	GRO#11354	
Serial#: HCMJAA70T00030906		

Segment: 1 Parts

Segment: 2 Repair for no start

-boost, get running

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
899	12/20/22	PR	Employee: 2915 Scott Scrivener		HRS	1.500		
						Labour Total	1.50	
						Parts Total	0.00	
						Miscellaneous Total	0.00	
						Labour Total	1.50	
						Parts Total	0.00	
						Miscellaneous Total	0.00	

Description: Inspections, 350 Hour Service and Repairs	Unit was at TMX Edmonton site, now in RD.	Date Started: 2023-01-19
Equipment: E664 Hitachi ZX470LC-5 Excavator	4000 Hours	
Serial#: HCMJAA70T00030906	RD-2023-106 Insheet	
	RD-2023-111 Outsheet	

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1119	05/23/23	AP	Vendor: 10037 Bromby Welding Ltd. 001063588 Line: 1		HRS	4.000		0.00
68	02/06/23	EMParts	Dyed Diesel Dyed Diesel		EA	370.590	1.39	515.37
133	02/07/23	EMParts	4445111 Wiper Blade		EA	1.000	24.13	24.13
274	02/13/23	EMParts	BSBKT01 Mount-Radar Monitor		EA	1.000	16.36	16.36
296	01/19/23	EMParts	1421340 Filter-Air Primary		EA	1.000	112.82	112.82
297	01/19/23	EMParts	4632689 Filter-Cab Air(4S00686)		EA	1.000	77.52	77.52
298	01/19/23	EMParts	4676385 Fuel / Water Separator		EA	2.000	14.44	28.88
299	01/19/23	EMParts	8981527381 Filter-Fuel		EA	2.000	42.29	84.58
300	01/19/23	EMParts	FYA00001490 Filter-Cab Air		EA	1.000	45.33	45.33
301	01/19/23	EMParts	P550596 Filter-Oil		EA	2.000	45.98	91.97
523	02/23/23	EMParts	5W40 Spectra 5W40		I	36.000	7.19	258.86
524	02/23/23	EMParts	60/40 Rad-Cool Antifreeze		EA	5.000	5.19	25.96
525	02/23/23	EMParts	Zink Free Multoil 5w20 Zink-Free Hydraul		EA	36.000	5.87	211.30



Work Order: 13800

Labour Total	4.00
Parts Total	1,493.08
Miscellaneous Total	0.00

Segment: 2 Inspections

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
854	02/06/23	PR	Employee: 1575 Paul Nixon		HRS	2.000		
862	02/13/23	PR	Employee: 2915 Scott Scrivener		HRS	3.500		

Labour Total	5.50
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
855	02/06/23	PR	Employee: 2623 Brenton Woolman		HRS	2.000		
856	02/07/23	PR	Employee: 2623 Brenton Woolman		HRS	9.500		
857	02/08/23	PR	Employee: 2623 Brenton Woolman		HRS	6.000		
985	05/24/23	PR	Employee: 22 Garrett Nelson		HRS	2.000		

Labour Total	19.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 350 Hour Service

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
858	02/09/23	PR	Employee: 3063 Jordan Yasinski		HRS	2.000		
859	02/10/23	PR	Employee: 3063 Jordan Yasinski		HRS	3.000		

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 T/S and Repair leaks

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
860	02/10/23	PR	Employee: 3063 Jordan Yasinski		HRS	5.000		



Work Order: 13800

Labour Total	5.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repair steps, panels, lights, wipers, wiring and alarms

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
861	02/10/23	PR	Employee: 3063 Jordan Yasinski		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 Check and Adjust tracks

Segment: 8 wash

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
986	05/24/23	PR	Employee: 2024 Travis Schmidt		HRS	2.500		

Labour Total	2.50
Parts Total	0.00
Miscellaneous Total	0.00

Labour Total	43.00
Parts Total	1,493.08
Miscellaneous Total	0.00

Description:	Inspection, 1000 Hour Service and Repair	4898 Hours	Date Started:	2023-11-23
Equipment:	E664 Hitachi ZX470LC-5 Excavator	RD-2023-320 Insheet		
Serial#:	HCMJAA70T00030906			

Segment: 1 Parts

(1) 1023348 Used Final Drive Cover @766.12ea

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
75	06/04/25	AP	Vendor: 10321 Union Tractor Ltd. 040-235588 Line: 1		EA	1.000	766.12	766.12
896	12/11/23	AP	Vendor: 10416 Hose Headquarters (Red Deer) Ltd. S7223702.001 Line: 1		EA	2.000	28.37	56.73
222	05/15/25	EMParts	FYA00003014 Vent Louver-Round		EA	1.000	44.23	44.23
223	05/15/25	EMParts	904D Battery-12v-4D		EA	2.000	329.95	659.90
269	06/18/25	EMParts	13336 Halogen H3 70W 24V bulb		EA	4.000	2.38	9.54
270	06/18/25	EMParts	3600004 Cord-Block Heater		EA	1.000	29.18	29.18



Work Order: 14535

306	05/26/25	EMParts	0979004	Seal Kit-Travel Motor	EA	2.000	623.37	1,246.74
307	05/26/25	EMParts	4271596	Seal-O-Ring	EA	2.000	47.39	94.78
1154	11/29/23	EMParts	4363399	Filter-Hydraulic	EA	1.000	60.22	60.22
1155	11/29/23	EMParts	4630525	Filter-Hydraulic Pilot	EA	1.000	44.59	44.59
1156	11/29/23	EMParts	4654745	Filter-Hydraulic Tank	EA	1.000	204.07	204.07

Labour Total	0.00
Parts Total	3,216.10
Miscellaneous Total	0.00

Segment: 2 Inspections

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
290	04/10/25	PR	Employee: 3103 Dallas Wood		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 3 Wash

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
1841	02/29/24	PR	Employee: 22 Garrett Nelson		HRS	1.500		

Labour Total	1.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 4 1000 Hour Service and top up fluids

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
577	12/08/23	PR	Employee: 3109 Cameron Ellsworth		HRS	3.000		

Labour Total	3.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 5 Repair Panels,heater,alarm,camera and radar

Replace broken round louver behind seat in cab.
-Paul

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
166	06/05/25	PR	Employee: 3108 Zachary Dean		HRS	1.500		



Work Order: 14535

578 12/08/23 PR Employee: 3109 Cameron Ellsworth HRS 2.500

Labour Total	4.00
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 6 Repair Leaks

Hyd oil leak from backside of control valve. Inspect, find loose pilot line fitting. Tighten, run/test, no more signs of leaks.
-Paul

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
437	06/17/25	PR	Employee: 3108 Zachary Dean		HRS	7.000		
438	06/18/25	PR	Employee: 3108 Zachary Dean		HRS	6.000		
579	12/08/23	PR	Employee: 3109 Cameron Ellsworth		HRS	2.500		
1155	05/27/25	PR	Employee: 3108 Zachary Dean		HRS	6.500		
1156	05/28/25	PR	Employee: 3108 Zachary Dean		HRS	5.000		
1157	05/29/25	PR	Employee: 3108 Zachary Dean		HRS	9.500		
1479	12/11/23	PR	Employee: 3109 Cameron Ellsworth		HRS	2.000		

Labour Total	38.50
Parts Total	0.00
Miscellaneous Total	0.00

Segment: 7 T/S and Repair Misfire

Segment: 8 Test/replace batteries

Test batteries, both failed.
Replace batteries, build new hold down bracket for aftermarket batteries. Install.
-Paul

Labour Total	48.50
Parts Total	3,216.10
Miscellaneous Total	0.00

Description: Rental Return Emsco	4898 Hours	Date Started: 2023-11-23
Equipment: E664 Hitachi ZX470LC-5 Excavator	RD-2023-320 Insheet	
Serial#: HCMJAA70T00030906		

Segment: 1 Parts

Trans	Actual Date	Source	Details	STATUS	UM	Units	Price	Total Cost
965	11/23/23	EMParts	C201VV16 Coupler-Female Aux. 1"		EA	1.000	59.10	59.10
966	11/23/23	EMParts	C202VV16 Coupler-Male Aux. 1"		EA	1.000	33.84	33.84



Work Order: 14536

967 11/23/23 EMParts FYA00070858 Strainer-Fuel EA 1.000 112.63 112.63

Labour Total	0.00
Parts Total	205.57
Miscellaneous Total	0.00

Segment: 2 Wash and Clean cab

Segment: 3 Repair Panels

*Belly pans under fuel tank dented.
Engine bell pan missing bolt, bent by hinge.
No Fuel Screen,
Different aux. couplers installed.*

Labour Total	0.00
Parts Total	205.57
Miscellaneous Total	0.00