

Jan 1, 2015 - Nov 24, 2021
Nov 24, 2021 7:49:00 AM

Work Order #	Repair Description	Service Date	Repair Amount	Performed By	Service Meter	Service Notes
34169020	Hydraulic cylinder / Track adjuster / Seat & heater	Jul 19, 2021			10990 Hrs	Remove bucket cylinder - replace rod assembly, reseal, reinstall / Reseal right track adjuster / Replace seat cover & cushion / Replace heater element
	Ignition switch issue	Mar 1, 2021			10700 Hrs	Installed new key switch
34158976	Check hydraulic system	Nov 16, 2020			10,616 Hrs	New hydraulic hose failed on inside thus contaminating entire system - removed, disassembled, and resealed every hydraulic component and control valve, removed all hoses and tubes to shot clean then wad through, remove and replace fan motor and pump (they are the first in line to dump oil with a restriction so flow is not cut to other circuits) cleanout tank, oil sample of system
	Bucket linkage	Feb 28, 2020			10,456 Hrs	Remove and replace bucket pins
3578	Hydraulic cylinders	Feb 28, 2019				Reseal right hand boom cylinder
13088	Hydraulic oil cooler	Feb 12, 2019				Remove and replace hydraulic oil cooler
	Machine inspection	Feb 5, 2019			8,565 Hrs	Made list of needed repairs
3290	Quick coupler hydraulic cylinder	Dec 11, 2018				Rebuild quick coupler action cylinder
3423745	Pins & Bushings	Sep 27, 2017			7,013 Hrs	Remove bucket, arm, boom, and cylinders. Remove and replace all bearings, pins, and seals. Weld and line bored arm and boom. Reinstalled
34095336	Engine DPF	Sep 26, 2017			7,013 Hrs	Diagnose and repair emission system - remove and replace DPF assembly
34062316	Auxilay hydraulic system	Nov 18, 2015				Install HKX auxilay hydraulic kit

Account #	Order #	Brc	Sls
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WORK ORDER INVOICE

Date 12-30-20	Invoice #	Page 1 of 8
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Sold To: 001

PO#

Ship To:

Purchase Order	Date	Ship Via:	Job Number	Job Contact
PC490LC-10 S/N A40109	11-16-20			

EMAIL THE NAMES PHONE NUMBERS AND EMAIL ADDRESSES OF THOSE RESPONSIBLE
FOR PAYMENT OF INVOICES TO:

Seg# 000 Mfr:KOM Model:PC490LC-10 S/N:A40109 Meter: 10616
Equip ID:KM11304

FAN CODES

WENT TO THE JOB TO CHECK THE MACHINE FOR HAVING ERROR CODES
FOR THE FAN SPEED SENSOR DETERIORATION
CHECK THE COOLING FAN SPEED, AND IT WAS OUT OF SPEC.
CHECKED THE HYD. LEVEL AND IT WAS LOW. TOOK THE PLATE OFF THE TOP
OF HYD FILTER HOUSING AND OIL WAS COMING OUT AS IF IT WAS IN BYPASS
MODE

INSTALLED FLUSHING FILTER IN THE TANK TO RUN TO TRY AND GET THE
SYSTEM CLEANED UP. RAN MACHINE AT IDLE WITH THE FLUSHING FILTER,
THE REMOVE IT AND INSTALL NEW HYD. FILTER.

THE FAN SPEEDS WERE STILL LOW LIKE A RESTRICTION IN THE SYSTEM.
A HOSE CUSTOMER HAD MADE HAD CAME APART SOME TIME BACK AND
DEPOSITED

TRASH IN THE HYD. SYSTEM

REMOVED THE BUCKET CYLINDER FOR REBUILD. RE PACKED THE CYLINDER
AND REASSEMBLED IT. INSTALLED THE CYLINDER BACK ON THE MACHINE.
TOOK THE ARM CYLINDER APART AND INSPECTED FOR CONTAMINATION IN THE
CYLINDER BARREL AND PISTON AREA. NEW SEALS WERE INSTALL IN THE
CYLINDER.

AND IT WAS ASSEMBLED BACK TOGETHER AND INSTALL ON THE MACHINE.
THE LEFT BOOM CYLINDER WAS REMOVED AND INSPECTED, NEW SEALS
INSTALLED IN IT. SAME THING WAS DONE TO THE RIGHT BOOM CYLINDER

EMAIL THE NAMES PHONE NUMBERS AND EMAIL ADDRESSES OF THOSE RESPONSIBLE

Amount Due

Continued

Account #	Order #	Brc	Sls
		04	84

WORK ORDER INVOICE

Date	Invoice #	Page
12-30-20		2 of 8

Sold To: (

Ship To:

Purchase Order	Date	Ship Via:	Job Number	Job Contact
PC490LC-10 S/N A40109	11-16-20			

FOR PAYMENT OF INVOICES TO: AR@ROLANDMACHINERY.COM
 INSPECTED AND PHOTOS WERE TAKEN OF ALL CYLINDERS INSIDE AND
 OUTSIDE. RIGHT BOOM CYLINDER WAS MISSING A METAL WIPER RING THE
 ONE CLOSET TO THE HEAD.
 REMOVE THE CONTROL VALVE FROM THE MACHINE FOR DISSEMBLE AND
 INSPECTION.
 THE FAN PUMP ASSEMBLE WAS REPLACED ON THE MACHINE
 INSTALL ALL REMOVE ITEM IN ORDER TO REPLACE THE FAN PUMP.
 REPLACED ALL THE SEALS AND ORINGS IN THE SWIVEL MANIFOLD
 REMOVE THE PRESSURE COMPENSATOR IN THE CONTROL VALVE.
 REMOVED ALL SPOOLS AND RELIEF VALVES IN THE VALVE AND INSPECT THE
 SPOOL AND BORE.
 REMOVED THE HOSES GOING TO THE FINAL DRIVES AND FLUSH THEM OUT AND
 CHECK FOR FOREIGN MATERIAL.
 INSTALL ALL NEW SEALS AND ORING IN THE CONTROL VALVE.
 RAN FOAM PLUGS TO CLEAN OUT THE TUBES AND LINES GOING TO THE
 CONTROL AND THOSE COMING FROM IT. INSTALL NEW PUMP TO CONTROL
 VALVE HOSES.
 INSTALL THE CONTROL VALVE BACK INTO THE MACHINE. ALSO INSTALL THE
 SWIVEL BACK IN PLACE.AND HOOK IT UP. ALL HOSES WERE CHECK BEFORE
 INSTALLING THEM
 PRIMED THE HYD SYSTEM AND STARTED THE MACHINE CHECKING ALL SYSTEMS
 CHECKED FOR ANY LEAKS INSTALLED ALL REMOVED COVERS AND GUARDS.
 DONE A HYD. TUNE UP ON THE MACHINE SET AND CHECKED ALL PRESSURES.
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Amount Due

Continued

Account #	Order #	Brc	Sls
		04	84

WORK ORDER INVOICE

Date	Invoice #	Page
12-30-20		3 of 8

Sold To: 001

Ship To:

Purchase Order	Date	Ship Via:	Job Number	Job Contact
PC490LC-10 S/N A40109	11-16-20			

		FIELD LABOR	
		SHOP LABOR	
4	01010-61640	BOLT	4.01
6	01252-70516	SCREW	1.25
3	01310-21216	SCREW	Rp 5.84
1	01310-21225	SCREW	12.56
6	01601-20513	WASHER	1.04
4	01643-31645	WASHER	3.16
4	01643-51232	WASHER	2.67
7	02896-11009	O-RING	2.54
1	02896-11012	O-RING	2.37
1	02896-11018	O-RING	2.37
22	02896-61008	O-RING	5.49
1	02896-61012	O-RING	5.49
1	02896-61015	O-RING	5.49
5	02896-61018	O-RING	5.49
1	04010-01032	KEY	13.31
2	07000-11007	O-RING	2.06
2	07000-11008	O-RING	2.06
4	07000-11009	O-RING	2.06
14	07000-11010	O-RING	2.54
5	07000-12011	O-RING	1.95
30	07000-12012	O-RING	1.95
1	07000-12016	O-RING	1.97
1	07000-12020	O-RING	2.04
7	07000-12021	O-RING	2.04
1	07000-12035	O-RING	6.23

Amount Due

Continued

Account #	Order #	Brc	Sls
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WORK ORDER INVOICE

Date 12-30-20	Invoice #	Page 4 of 8
------------------	-----------	----------------

Sold To: 001

Ship To:

Purchase Order PC490LC-10 S/N A40109	Date 11-16-20	Ship Via: Job Number	Job Contact
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2 07000-12060 O RING
3 07000-12105 O-RING

EMAIL THE NAMES PHONE NUMBERS AND EMAIL ADDRESSES OF THOSE RESPONSIBLE
FOR PAYMENT OF INVOICES TO:

6 07000-13024 O-RING
5 07000-13028 O-RING
26 07000-13032 O-RING
3 07000-13035 O-RING
1 07000-13036 O-RING
1 07000-13038 O-RING
7 07000-13048 O-RING
2 07000-15180 O-RING
2 07000-15210 O-RING
1 07000-A2110 O-RING
3 07000-A5210 O-RING
1 07001-01007 BACK-UP RING
1 07001-01009 BACK-UP RING
1 07001-02012 BACK-UP RING
1 07001-02020 BACK-UP RING
13 07002-10823 O-RING
7 07002-11023 O-RING
4 07002-11223 O-RING
34 07002-11423 O-RING
7 07002-11823 O-RING
3 07002-12034 O-RING
3 07002-12434 O-RING
3 07002-13034 O-RING

Amount Due

Continued

Account #	Order #	Brc	Sls
		04	84

WORK ORDER INVOICE

Date	Invoice #	Page
12-30-20		5 of 8

Sold To: 001

Ship To:

Purchase Order	Date	Ship Via:	Job Number	Job Contact
PC490LC-10 S/N A40109	11-16-20			

7	07002-13334	O-RING
2	07002-13634	O-RING P60
1	07002-21423	O-RING
2	07002-61823	O-RING
2	07002-62034	O-RING
2	07002-62434	O-RING
2	07005-03016	SEAL

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4	07372-21245	BOLT
18	07430-71380	O-RING
13	1400842H2	HO56 HE 5 GAL
55	1400843H2	HO56 HE 55 GAL
2	17A-61-41770	CLAMP
6	201-60-11390	O-RING
2	203-00-17210	DECAL, POINTER
1	203-00-17220	DECAL, LOCK
1	207-01-41710	GAUGE
6	207-62-64740	O-RING
1	208-60-21152	BREATHER Rp
1	208-60-21160	PLATE
1	208-60-41121	STRAINER A.
1	208-60-41212	CAP A. Rp
1	208-60-71123	ELEMENT
1	208-60-71124	ELEMENT
2	208-60-71170	ELEMENT
1	208-60-71520	VALVE ASSY

Amount Due

Continued

Account #	Order #	Brc	Sls
		04	84

WORK ORDER INVOICE

Date	Invoice #	Page
12-30-20		6 of 8

Sold To: 001

Ship To:

Purchase Order	Date	Ship Via:	Job Number	Job Contact
PC490LC-10 S/N A40109	11-16-20			

1	208-60-75250	COVER
1	208-62-41111	HOSE
1	208-62-41120	HOSE
1	208-62-41970	HOSE (HA490241)
1	20Y-60-21340	GASKET
8	20Y-60-31240	O-RING
1	20Y-60-42211	FILLER
6	20Y-62-19560	O-RING
1	20Y-62-22790	BAND (RED)
1	20Y-62-22830	BAND (WHITE)
2	21M-62-21550	CLAMP
1	21T-60-13730	PLATE

EMAIL THE NAMES PHONE NUMBERS AND EMAIL ADDRESSES OF THOSE RESPONSIBLE FOR PAYMENT OF INVOICES TO:

3	700-80-61260	O-RING
1	702-16-03910	PILOT VALVE, PC1
19	702-16-53920	O-RING
4	702-16-55610	O-RING
1	702-21-53140	FILTER
2	702-21-54910	O-RING
1	702-21-55420	O-RING
1	702-21-55440	O-RING
1	702-21-55520	O-RING
1	702-21-61500	PILOT VALVE
2	702-21-61600	PILOT VALVE
1	707-44-16910	RING
3	707-52-90851	BUSHING

Amount Due

Continued

Account #	Order #	Brc	Sls
		04	84

WORK ORDER INVOICE

Date	Invoice #	Page
12-30-20		7 of 8

Sold To: 001

Ship To:

Purchase Order	Date	Ship Via:	Job Contact
PC490LC-10 S/N A40109	11-16-20	Job Number	

1	707-52-90981	BUSHING
1	707-99-69590	SEAL KIT
2	707-99-72060	SEAL KIT
1	707-99-72070	SEAL KIT
1	708-1T-00581	PUMP A.
1	708-2H-05120	SHIM KIT
1	708-2J-05310	IMPELLER ASSY
2	722-12-19070	O-RING
3	723-11-18150	O-RING
8	723-11-19130	O-RING
10	723-11-19960	O-RING
2	723-40-56800	VALVE ASSY
7	723-40-85100	VALVE ASSY
1	723-40-87170	O-RING
1	723-40-91600	VALVE ASSY
2	723-40-94601	RELIEF VALVE
2	723-46-15510	O-RING

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8	723-46-17510	O-RING
8	723-46-17520	RING
16	723-46-17530	O-RING
1	723-46-18710	O-RING
3	723-46-18720	O-RING
1	723-46-40100	VALVE ASSY
2	723-46-40601	VALVE ASSY
4	723-46-42800	VALVE ASSY

Amount Due

Continued

Account #	Order #	Brc	Sls
		04	84

WORK ORDER INVOICE

Date	Invoice #	Page
12-30-20		8 of 8

Sold To: 001

Ship To:

Purchase Order	Date	Ship Via:	Job Number	Job Contact
PC490LC-10 S/N A40109	11-16-20			

2	723-46-44100	VALVE ASSY	
1	723-46-44500	VALVE A.	Rp
3	723-46-45100	VALVE ASSY	
1	723-46-45500	VALVE ASSY	
2	723-46-45700	VALVE A.	
2	723-46-45800	VALVE A.	
1	723-90-61700	VALVE ASSY	
3	723-90-66800	VALVE ASSY	
1	723-90-66900	VALVE ASY.	
1	723-90-67100	VALVE ASSY	
1	723-90-76201	VALVE ASSEMBLY	
1	723-90-76300	VALVE ASSY. Repl	
1	729-11-42000	SENSOR	
1	R708-7W-00220	FAN MOTOR HYD	

FREIGHT

Total for segment 62,340.69

ENVIRONMENTAL CHARGE

MISC SUPPLY CHARGE

Total misc

Sub Total 62,615.69

MO

MISSOURI SALES TAX

Sales Tax Number -

Amount Due

65,096.46