

ORDER NO WO0074962	DATE
PAYMENT TERMS NET 30	

CUSTOMER NO 30002
CUSTOMER PO

SERVICE PREVIEW

INVOICE TO:

SALESPERSON	:	SERVICE ORDER	: WO0074962
CONTACT	:	REF	:

SEGMENT: 10 SEGMENT TYPE: NON-CHARGEABLE GES ID: E00046608 METER: 28611
 SERVICE TYPE: R64-UR MAINT -SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : DISASSEMBLE & ASSEMBLE(O/V) S/N: A84080 Unit#:
 COMPONENT CODE: ARM CYLINDER

WORK SITE: GENERAL EQUIPMENT & SUPPLIES, INC 3500 APPLE CREEK ROAD BISMARCK ND 58504
 LOCATION : BISMARCK SHOP

WORK DESCRIPTION:
 INSTALL BUCKET E37846 ONTO UNIT. RESEAL ARM CYLINDER

CAUSE:
 INTERNAL LEAKAGE

CORRECTION:
 INSTALLED BUCKET, OCTOBER 28, 2015
 DISASSEMBLE ARM CYLINDER AND INSTALL NEW SEAL KIT AND BUSHING. REASSEMBLE AND
 INSTALL ON MACHINE. OPERATE AND CHECK FOR LEAKS.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
207-70-11350	SPACER	5	0			
707-99-68560	SERVICE KIT	1	0			
707-44-18920	RING	2	0			
707-52-90951	BUSHING	1	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	DISASSEMBLE & ASSEMBLE(O/V)					
SEGMENT 10 TOTAL:						

1,777.16 TOTAL

SEGMENT: 20 SEGMENT TYPE: NON-CHARGEABLE GES ID: E00046608 METER: 28611
 SERVICE TYPE: R64-UR MAINT -SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : REPAIR S/N: A84080 Unit#:
 COMPONENT CODE: ENG. OIL LEAK

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WORK DESCRIPTION:

REPAIR ENGINE OIL LEAK.

CORRECTION:

INSPECTED OIL LEAK AND FOUND LEAKING FROM REMOTE OIL FILTER PIPING. REPLACED ALL MOUNTING O'RINGS, REASSEMBLED, TOPPED OFF OIL AND WASHED ENGINE. RETESTED UNIT FOR LEAKS.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
07000-72020	O-RING P	1	0			
07000-73028	O-RING	1	0			
07000-73035	O-RING P60	1	0			
6124-61-2181	GROMMET	2	0			
07000-63025	O-RING	2	0			
07000-72020	O-RING P	1	0			
07000-73028	O-RING	1	0			
07000-73035	O-RING P60	1	0			
07000-72020	O-RING P	1	0			
723-46-43910	SEAL	5	0			
723-46-42930	SEAL	1	0			
07005-00812	SEAL P60	4	0			
	CONSUMABLE SUPPLIES	1.00				

LABOR REPAIR

SEGMENT 20 TOTAL:

512.24 TOTAL

SEGMENT: 30	SEGMENT TYPE: NON-CHARGEABLE	GES ID: E00046608	METER: 28611
	SERVICE TYPE:R64-UR MAINT - SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : REPLACE	S/N: A84080	Unit#:
	COMPONENT CODE: HOOD (BONNET/DASHBOARD) HINGE		

WORK SITE:

LOCATION :

WORK DESCRIPTION:

REPLACE DAMAGED HOOD PROP.

CAUSE:

BENT.

CORRECTION:

REPLACED DAMAGED LOWER HOOD PROP STRUT AND VERIFIED OPERATION.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
207-54-62140	STAY	1	0			
04205-31238	PIN	1	0			
	FREIGHT RECOVERY	1.00				
	CONSUMABLE SUPPLIES	1.00				

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LABOR	REPLACE				188.00
SEGMENT 30 TOTAL:					
86.43 PARTS	188.00 LABOR	81.62 MISC.	0.00 TAX	356.05 TOTAL	

SEGMENT: 40 SEGMENT TYPE: NON-CHARGEABLE GES ID: E00046608 METER: 28611
 SERVICE TYPE: R64-UR MAINT - SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : REPAIR S/N: A84080 Unit#:
 COMPONENT CODE: PPC CIRCUIT GROUP

WORK SITE:
 LOCATION :

WORK DESCRIPTION:
 TRAVEL TO UNIT AND CHANGE PPC PATTERN.

CORRECTION:
 REMOVED PPC LINES AND SWITCHED PROPERLY TO GET MACHINE FROM ISO CONTROL PATTERN TO BACKHOE CONTROL PATTERN. OPERATED MACHINE AND CHECKED FOR LEAKS WHEN COMPLETED.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
723-46-41940	SEAL	2	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPAIR					
SEGMENT 40 TOTAL:						
29.34 PARTS	316.60 LABOR	12.66 MISC.	0.00 TAX	358.60 TOTAL		

SEGMENT: 50 SEGMENT TYPE: NON-CHARGEABLE GES ID: E00046608 METER: 28611
 SERVICE TYPE: R64-UR MAINT - SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : REPLACE S/N: A84080 Unit#:
 COMPONENT CODE: BATTERY RELAY

WORK SITE:
 LOCATION :

WORK DESCRIPTION:
 UNIT WILL NOT START.

CAUSE:
 BLOWN FUSE

CORRECTION:
 CHECKED START CIRCUIT AND FOUND BLOWN FUSE. REMOVED AND REPLACED FUSE AND CHECKED OPERATION. CHECKED WIRING IN BATTERY BOX AND VERIFIED NO CORROSION OR RUBBED THROUGH WIRES.

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ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
08088-30000	SWITCH	1	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPLACE					
SEGMENT 50 TOTAL:						390.23 TOTAL

SEGMENT: 60 SEGMENT TYPE: NON-CHARGEABLE GES ID: E00046608 METER: 28611

SERVICE TYPE: R64-UR MAINT -SHOP MODEL: PC400LC-6LK MFG: KOMATSU

JOB CODE : REPAIR S/N: A84080 Unit#:

COMPONENT CODE: HYDRAULIC CONTROL VALVE

WORK SITE:

LOCATION :

WORK DESCRIPTION:

ARM CIRCUIT DRIFTS EXCESSIVELY.

CORRECTION:

REMOVED PRESSURE COMPENSATORS ON ARM CIRCUIT AND FOUND ONE SEAL MISSING.
RESEALED ALL FOUR PRESSURE COMPENSATORS ON ARM CIRCUIT. REMOVED SAFTEY
SUCTION VALVES AND FOUND ONE SCORED. REPLACED SAFTEY VALVE.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
723-46-43910	SEAL	5	0			
07000-12100	O-RING P60	1	0			
707-35-52940	RING	2	0			
723-46-42920	SEAL	4	0			
07002-13634	O-RING	1	0			
07002-13634	O-RING	1	0			
723-46-41210	VALVE	2	0			
709-70-74302	VALVE ASS'Y	1	0			
	CONSUMABLE SUPPLIES	1.00				
	FREIGHT RECOVERY	1.00				
LABOR	REPAIR					
SEGMENT 60 TOTAL:						1,845.53 TOTAL

SEGMENT: 70 SEGMENT TYPE: NON-CHARGEABLE GES ID: E00046608 METER: 28611

SERVICE TYPE: R64-UR MAINT -SHOP MODEL: PC400LC-6LK MFG: KOMATSU

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SERVICE PREVIEW

JOB CODE : REPLACE

S/N: A84080

Unit#:

COMPONENT CODE: TRACK SHOE

WORK SITE:

LOCATION :

WORK DESCRIPTION:

BENT TRACK PAD.

CAUSE:

BENT PAD.

CORRECTION:

INSTALL NEW TRACK PAD ON RIGHT SIDE OF MACHINE WITH NEW BOLTS. TIGHTEN ANOTHER
LOOSE TRACK PAD.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
208-32-61340	SHOE	1	0			
208-32-51210	BOLT	4	0			
208-32-51220	NUT	4	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPLACE					

SEGMENT 70 TOTAL:

259.09 TOTAL

PARTS	
LABOR	
MISC.	
SALES TAX	
INVOICE TOTAL	5,498.90 0.00

ORDER NO WO0076898	DATE
PAYMENT TERMS NET 30	

CUSTOMER NO 33252
CUSTOMER PO

SERVICE PREVIEW

INVOICE TO:

GUTHMILLER & SONS DIRT WORKS

SALESPERSON	:	SERVICE ORDER	: WO0076898
CONTACT	:	REF	:
SEGMENT: 10	SEGMENT TYPE: CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:ESF-EXTERNAL BILLING -FIELD	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : DISASSEMBLE & ASSEMBLE(O/V)	S/N: A84080	Unit#:
	COMPONENT CODE: BOOM CYLINDER		

WORK SITE:

LOCATION :

WORK DESCRIPTION:

RESEAL LEAKING BOOM CYLINDER.

CORRECTION:

REMOVE LEFT BOOM CYLINDER, REPACKED, REINSTALLED ONTO UNIT. ADDED OIL AND RETESTED OPERATION.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
707-35-91640	RING	1	0			
07000-15150	O-RING	1	0			
198-63-94170	DUST SEAL	1	0			
707-52-90851	BUSHING	1	0			
07000-15150	O-RING	1	0			
707-44-16180	PISTON RING	1	0			
07001-05100	BACK-UP RING	1	0			
07000-15100	O-RING	1	0			
707-35-91640	RING	1	0			
707-51-11030	PACKING	1	0			
707-39-16820	RING	2	0			
707-44-16910	RING	2	0			
07000-15100	O-RING	1	0			
07001-05100	BACK-UP RING	1	0			
707-35-91640	RING	1	0			
707-51-11640	RING	1	0			
07145-00100	DUST SEAL	2	0			
07145-00110	DUST SEAL	2	0			
1400842H1	HO56 HYD OIL	2	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	DISASSEMBLE & ASSEMBLE(O/V)					

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SEGMENT 10 TOTAL:

2,199.43 TOTAL

PARTS	
LABOR	
MISC.	
SALES TAX	
INVOICE TOTAL	0.00
	2,199.43

ORDER NO WO0084881	DATE
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CUSTOMER NO 33252
CUSTOMER PO

SERVICE PREVIEW

INVOICE TO:
GUTHMILLER & SONS DIRT WORKS

SALESPERSON	:	SERVICE ORDER	: WO0084881
CONTACT	: TRENT GUTHMILLER 701-222-0749	REF	:
SEGMENT: 10	SEGMENT TYPE: CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : REPLACE	S/N: A84080	Unit#:
	COMPONENT CODE: HYDRAULIC PIPING HOSE		

WORK SITE:

LOCATION :

WORK DESCRIPTION:

HYDRAULIC OIL LEAKS ON MACHINE.

CAUSE:

HARD AND BRITTLE O-RINGS.

CORRECTION:

VERIFIED OIL LEAKS ON MACHINE. REMOVED HYDRAULIC HOSES AND INSTALLED NEW O-RINGS. VERIFY NO LEAKS.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
07000-12125	O-RING P60	1	0			
07002-12434	O-RING P60	1	0			
07002-13334	O-RING P6	1	0			
07000-A2016	O-RING P60	1	0			
07000-73042	O-RING	5	0			
07002-13034	O-RING	1	0			
	CONSUMABLE SUPPLIES	1.00		1		
	FREIGHT RECOVERY	1.00		4		
LABOR	REPLACE					
SEGMENT 10 TOTAL:						503.84 TOTAL

SEGMENT: 20	SEGMENT TYPE: CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU

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SERVICE PREVIEW

JOB CODE : REPAIR

S/N: A84080

Unit#:

COMPONENT CODE: AIR CONDITIONER

WORK SITE:

LOCATION :

WORK DESCRIPTION:

REPAIR AIR CONDITIONER, UNIT DOES NOT OPERATE.

CAUSE:

PLUGGED RECEIVER/DRYER.

CORRECTION:

TESTED PRESSURES FOR A/C, PRESSURES INDICATED DRYER WAS PLUGGED, ORDERED NEW DRYER, RECOVERED SYSTEM, INSTALLED NEW DRYER, VACUUMED SYSTEM, PERFORMED LEAK TEST, FILLED WITH OIL AND CHARGED SYSTEM AND VERIFIED OPERATION.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
425-963-A221	RECEIVER--DR	1	0			
R134AF	FREON	2	0			
R134AF	FREON	2	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPAIR					
SEGMENT 20 TOTAL:						634.29 TOTAL

SEGMENT: 30

SEGMENT TYPE: CHARGEABLE

GES ID: E00046608

METER: 28721

SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP

MODEL: PC400LC-6LK

MFG: KOMATSU

JOB CODE : REPAIR

S/N: A84080

Unit#:

COMPONENT CODE: OIL COOLER CORE

WORK SITE:

LOCATION :

WORK DESCRIPTION:

REPAIR ENGINE OIL COOLER LEAK.

CAUSE:

ENGINE OIL COOLER GASKET LEAKING.

CORRECTION:

DRAIN COOLANT AND REMOVED ENGINE OIL COOLER. REMOVED AND CLEANED ENGINE BLOCK AND COOLER HOUSING. INSTALLED NEW GASKET AND INSTALLED COOLER BACK ON ENGINE AND TIGHTEN BOLTS. FILLED WITH COOLANT AND PRESSURE TESTED COOLANT SYSTEM AND FOUND A LEAK GOING INTO THE THERMOSTAT HOUSING FIXED THAT LEAK THEN PRESSURED UP THE SYSTEM AND LET IT SET OVER THE WEEKEND ALL GOOD.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
6150-61-2550	O-RING	1	0			
6150-61-2510	O-RING	3	0			

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ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
6150-61-2540	SEAL	1	0			
6150-61-2815	GASKET	1	0			
KM37394	GASKET MAKER	1	0			
	FREIGHT RECOVERY	1.00				
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPAIR					
SEGMENT 30 TOTAL:						930.10 TOTAL

SEGMENT: 40 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721

SERVICE TYPE: ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU

JOB CODE : REPLACE S/N: A84080 Unit#:

COMPONENT CODE: OIL PAN ENGINE

WORK SITE:

LOCATION :

WORK DESCRIPTION:

REPLACE LEAKING OIL PAN GASKET AND STARTER MOUNT GASKET.

CAUSE:

PAN GASKET FAILED DUE TO HARDENING AND STARTER GASKET HARD.

CORRECTION:

DRAIN OIL AND REMOVE OIL PAN. SCRAP AND CLEAN BLOCK AND OIL PAN. INSTALL NEW GASKET AND INSTALL OIL PAN. REMOVE STARTER AND INSTALL NEW STARTER MOUNT GASKET AND REINSTALL STARTER. FILL WITH NEW OIL AND FILTER.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
07002-22434	O-RING P6	1	0			
6221-81-6810	GASKET	1	0			
7861-91-4220	O-RING	1	0			
TB1215	SIL GASKET,L	1	0			
07000-73045	O-RING	1	0			
6150-21-5813	GASKET P60	1	0			
1401104H1	15W40LA-CJ4	9	0			
6151-51-8721	GASKET	1	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPLACE					
SEGMENT 40 TOTAL:						1,097.62 TOTAL

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CUSTOMER NO 33252
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SERVICE PREVIEW

SEGMENT: 41 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721
 SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : REPLACE S/N: A84080 Unit#:
 COMPONENT CODE: AIR CLEANER BRACKET

WORK SITE:

LOCATION :

WORK DESCRIPTION:

MUFFLER BRACKET MISSING AND EXHAUST LEAK. TURBO HOSE ON INTAKE DETERIATED.

CORRECTION:

MUFFLER STRAP MISSING. REPLACE MUFFLER STRAPS AND TIGHTEN. REMOVE TURBO INTAKE HOSE AND REPLACE. TURBO EXHAUST LEAKING FROM TURBO TO MUFFLER. CLEAN EXHAUST FLANGE AND INSTALL NEW EXPANSION RING. REASSEMBLE AND VERIFY NO LEAKS.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
6151-12-4470	HOSE	1	0	400.00	0.00	400.00
6151-11-5280	RING	2	0			
TBC325	3 IN CLAMPS	1	0			
TBC400	T-BOLT CLAMP 4	1	0			
6643-11-4641	BOLT	1	0			
6150-12-5840	BAND	1	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPLACE					

SEGMENT 41 TOTAL:

722.25 TOTAL

SEGMENT: 50 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721
 SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : REPAIR S/N: A84080 Unit#:
 COMPONENT CODE: GOVERNOR MOTOR

WORK SITE:

LOCATION :

WORK DESCRIPTION:

INSPECT ENGINE GOVENOR FOR PROPER OPERATION.

CAUSE:

IRRATIC /HUNTING ENGINE RPMS.

CORRECTION:

REMOVED AND REPLACED THE GOVERNOR MOTOR. INSTALLED NEW LINKAGE TO THE INJECTION PUMP AND AJUST ENGINE RPMS. REPAIR SOME BROKEN WIRES FROM THE HARNESS TO GOVERNOR HARNESS. FOR THE GOVERNOR MOTOR.

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SERVICE PREVIEW

REMOVE AND REPLACE ARM OUT PRESSURE SENSOR.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
04252-21061	ROD END	1	0			
7834-40-2004	MOTOR ASS'Y	1	0			
208-43-54140	LEVER	1	0			
206-06-61130	SWITCH	1	0			
79A-222-3390	TERMINAL	7	0			
08055-00491	CONNECTOR	1	0			
01593-31008	NUT	1	0			
	FREIGHT RECOVERY	1.00				
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPAIR					
SEGMENT 50 TOTAL:						2,574.79 TOTAL

SEGMENT: 60 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721

SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU

JOB CODE : WASH MACHINE S/N: A84080 Unit#:

COMPONENT CODE: MACHINE

WORK SITE:
LOCATION :

WORK DESCRIPTION:
WASH UNIT BEFORE AND AFTER REPAIRS.

CORRECTION:
WASH UNIT BEFORE AND AFTER REPAIRS.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	CONSUMABLE SUPPLIES	1.00				
LABOR	WASH MACHINE					
SEGMENT 60 TOTAL:						376.20 TOTAL

SEGMENT: 70 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721

SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU

JOB CODE : REPAIR S/N: A84080 Unit#:

COMPONENT CODE: SWING MOTOR

WORK SITE:

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CUSTOMER PO

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LOCATION :

WORK DESCRIPTION:

UNIT FILLS UP SWING MACHINERY CASE, INSPECT AND REPAIR.

CAUSE:

SWING MOTOR SHAFT SEAL.

CORRECTION:

REMOVED SWING MOTOR, INSPECTED SWING MOTOR, FOUND SEALS WERE HARD, ORDERED NEW ORINGS AND SEAL FOR MOTOR, INSTALLED SEAL AND ORINGS, INSTALLED MOTOR BACK INTO SWING, RAN MACHINE, STALLING SWING MOTOR TO VERIFY LEAK WAS FIXED.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
706-77-43950	OIL SEAL	1	0			
07000-15150	O-RING	1	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPAIR					
SEGMENT 70 TOTAL:						606.01 TOTAL

SEGMENT: 80	SEGMENT TYPE: CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : REPLACE	S/N: A84080	Unit#:
	COMPONENT CODE: TRACK SHOE		

WORK SITE:

LOCATION :

WORK DESCRIPTION:

REPLACE CRACK TRACK PAD ON LEFT HAND SIDE AND REPAIR RH MASTER LINK.

CORRECTION:

REMOVED BROKEN TRACK PAD, CLEANED SURFACES, INSTALLED NEW PAD WITH BOLTS. TIGHTEN ALL LOOSE PADS ON LEFT AND RIGHT SIDE OF TRACKS.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
208-32-51210	BOLT	4	0			
208-32-61340	SHOE	1	0			
208-32-51220	NUT	4	0			
208-32-51210	BOLT	4	0			
208-32-51220	NUT	4	0			
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPLACE					
SEGMENT 80 TOTAL:						659.29 TOTAL

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CUSTOMER NO 33252
CUSTOMER PO

SERVICE PREVIEW

SEGMENT: 90 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721
 SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : DISASSEMBLE & ASSEMBLE(O/V) S/N: A84080 Unit#:
 COMPONENT CODE: BUCKET CYLINDER

WORK SITE:

LOCATION :

WORK DESCRIPTION:

RESEAL BUCKET CYLINDER.

CAUSE:

LEAKING CYLINDER.

CORRECTION:

RESEALED THE BUCKET CYLINDER.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
707-51-11030	PACKING	1	0			
707-35-91640	RING	1	0			
07000-15150	O-RING	1	0			
707-44-16910	RING	1	0			
198-63-94170	DUST SEAL	1	0			
07179-13126	SNAP RING	1	0			
707-39-16820	RING	2	0			
707-51-11640	RING	1	0			
707-44-16910	RING	1	0			
707-52-90861	BUSHING	1	0			
707-44-16180	PISTON RING	1	0			
707-35-52930	RING	2	0			
07000-12090	O-RING P60	1	0			
6643-11-4641	BOLT	1	0			
	CONSUMABLE SUPPLIES	1.00				
	FREIGHT RECOVERY	1.00				

LABOR DISASSEMBLE & ASSEMBLE(O/V)

SEGMENT 90 TOTAL:

1,907.75 TOTAL

PARTS	
LABOR	
MISC.	
SALES TAX	
INVOICE TOTAL	0.00 10,012.14

ORDER NO WO0086995	DATE
PAYMENT TERMS NET 30	

CUSTOMER NO 33252
CUSTOMER PO MJ 5/8

SERVICE PREVIEW

INVOICE TO:
GUTHMILLER & SONS DIRT WORKS

SALESPERSON :		SERVICE ORDER :	WO0086995
CONTACT : TRENT GUTHMILLER 701-222-0749		REF :	
SEGMENT: 10	SEGMENT TYPE: NON-CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:R44-UR CONVERT -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : CHECK	S/N: A84080	Unit#:
	COMPONENT CODE: CONTROL VALVE-ARM CYL.PIPING		

WORK SITE:
LOCATION :

WORK DESCRIPTION:
CHECK FOR HYDRAULIC ARM DRIFT.

CAUSE:
WORN COMPENSATOR VALVE SEAT IN MAIN VALVE.

CORRECTION:
CHECK COMPENSATORS AND SEALS WERE OK. REINSTALLED IN MAIN CONTROL VALVE.
SWITCHED PLUMBING ON MAIN CONTROL VALVE BY INSTALLING ARM CIRCUIT HOSES TO BOOM
CIRCUIT AND BOOM CIRCUIT HOSES TO ARM. STARTED MACHINE AND LIFTED BOOM WITH UP
ARM OUT AND SHUT MACHINE OFF. ARM DID NOT DRIFT. LOWERED WORK EQUIPMENT TO
GROUND. REMOVED COMPENSATORS ON ARM CIRCUIT, INSTALLED BORE SCOPE INTO MAIN
VALVE AND SEEN THE COMPENSATOR SEAT IN CONTROL VALVE IS SCORED/PITTED. MAIN
VALVE WILL HAVE TO BE REPLACED.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	CONSUMABLE SUPPLIES	1.00				
LABOR	CHECK					
SEGMENT 10 TOTAL:						1,054.61 TOTAL

SEGMENT: 20	SEGMENT TYPE: NON-CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:R44-UR CONVERT -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : REMOVE	S/N: A84080	Unit#:
	COMPONENT CODE: HYDRAULIC CONTROL VALVE		

WORK SITE:
LOCATION :

WORK DESCRIPTION:

ORDER NO WO0086995	DATE
PAYMENT TERMS NET 30	

CUSTOMER NO 33252
CUSTOMER PO MJ 5/8

SERVICE PREVIEW

DISCONNECT ALL HYDRAULIC PIPPING AND REMOVE HYDRAULIC CONTROL VALVE.

CORRECTION:

REMOVE ALL HOSES FROM MAIN CONTROL VALVE. REMOVE BOLTS, BRACKETS AND MAIN CONTROL VALVE FROM UNIT.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	CONSUMABLE SUPPLIES	1.00		59.40		59.40
LABOR	REMOVE					1,320.00
SEGMENT 20 TOTAL:						1,379.40 TOTAL

SEGMENT: 22	SEGMENT TYPE: NON-CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:R44-UR CONVERT -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : INSTALL	S/N: A84080	Unit#:
	COMPONENT CODE: HYDRAULIC CONTROL VALVE		

WORK SITE:

LOCATION :

WORK DESCRIPTION:

INSTALL MAIN CONTROL VALVE.

CORRECTION:

INSTALL MAIN HYDRAULIC CONTROL VALVE.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	CONSUMABLE SUPPLIES	1.00				
LABOR	INSTALL					
SEGMENT 22 TOTAL:						1,306.67 TOTAL

SEGMENT: 23	SEGMENT TYPE: NON-CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:R44-UR CONVERT -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : MACHINING	S/N: A84080	Unit#:
	COMPONENT CODE: HYDRAULIC CONTROL VALVE		

WORK SITE:

LOCATION :

WORK DESCRIPTION:

MAIN HYDRAULIC CONTROL VALVE MACHINEING.

CORRECTION:

SENT TO OUTSIDE VENDOR FOR REBUILD.

ORDER NO WO0086995	DATE
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CUSTOMER NO 33252
CUSTOMER PO MJ 5/8

SERVICE PREVIEW

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	REPAIR AND REBUILD NEW SPOOLS	1.00				
	FREIGHT RECOVERY	1.00				
	FREIGHT RECOVERY	1.00				

SEGMENT 23 TOTAL:

9,840.82 TOTAL

PARTS		
LABOR		
MISC.		
SALES TAX		
INVOICE TOTAL	13,581.50	1,089.28

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CUSTOMER NO 33252
CUSTOMER PO MJ 5/8

SERVICE PREVIEW

INVOICE TO:
GUTHMILLER & SONS DIRT WORKS

SALESPERSON	:	SERVICE ORDER	: WO0086995
CONTACT	:	REF	:
SEGMENT: 21	SEGMENT TYPE: CHARGEABLE	GES ID: E00046608	METER: 28721
	SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP	MODEL: PC400LC-6LK	MFG: KOMATSU
	JOB CODE : DISASSEMBLE & ASSEMBLE(O/V)	S/N: A84080	Unit#:
	COMPONENT CODE: HYDRAULIC CONTROL VALVE		

WORK SITE:

LOCATION :

WORK DESCRIPTION:

DISASSEMBLE/ASSEMBLE MAIN HYDRAULIC CONTROL VALVE.

CORRECTION:

DISASSEMBLE AND SENT TO OUTSIDE VENDOR FOR REBUILD.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
07002-10823	O-RING	4	0			
07430-71380	O-RING	4	0			
21T-09-11460	O-RING	1	0			
07002-10823	O-RING	11	0			
07002-13034	O-RING	1	0			
07000-12016	O-RING	1	0			
07000-12015	O-RING	10	0			
07000-12018	O-RING	8	0			
07000-12021	O-RING	1	0			
07000-13028	O-RING	5	0			
07000-13025	O-RING	1	0			
723-46-41950	RING	12	0			
07000-11007	O-RING	1	0			
07000-12014	O-RING P60	1	0			
07001-02014	BACK-UP RING	1	0			
07000-12020	O-RING	1	0			
07002-13634	O-RING	1	0			
07000-15180	O-RING	1	0			
07000-15210	O-RING P60	1	0			
07002-13334	O-RING P6	1	0			
07002-12034	O-RING P6	2	0			
723-46-42920	SEAL	4	0			
07000-13032	O-RING	2	0			

ORDER NO WO0086995	DATE
PAYMENT TERMS NET 30	

CUSTOMER NO 33252
CUSTOMER PO MJ 5/8

SERVICE PREVIEW

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
07000-13040	O-RING	2	0			
723-46-41950	RING	4	0			
07001-01009	BACK-UP RING	1	0			
07000-12012	O-RING	6	0			
07002-13634	O-RING	10	0			
07002-11023	O-RING P60	1	0			
07001-02014	BACK-UP RING	1	0			
07000-12014	O-RING P60	1	0			
07000-12016	O-RING	1	0			
07001-02016	BACK-UP RING	1	0			
07002-11423	O-RING P60	1	0			
07002-12434	O-RING P60	1	0			
700-22-11410	O-RING	2	0			
700-80-64220	RING	2	0			
07002-12434	O-RING P60	2	0			
07000-12011	O-RING P60	1	0			
07002-11423	O-RING P60	3	0			
201-62-65280	TEE	1	0			
203-62-58440	TEE	1	0			
208-62-17550	TEE	1	0			
201-60-11390	O-RING	8	0			
20Y-62-19560	O-RING	8	0			
07000-13032	O-RING	6	0			
07002-10823	O-RING	2	0			
07002-11423	O-RING P60	9	0			
07000-13024	O-RING	3	0			
07430-71380	O-RING	5	0			
07000-12012	O-RING	1	0			
07000-13032	O-RING	2	0			
07000-13040	O-RING	5	0			
723-46-15510	O-RING	2	0			
700-93-11320	O-RING	5	0			
07002-11823	O-RING	1	0			
07002-12434	O-RING P60	8	0			
07001-02016	BACK-UP RING	1	0			
07000-13024	O-RING	3	0			
07001-02016	BACK-UP RING	1	0			
700-80-64220	RING	2	0			
07001-02020	BACK-UP RING	1	0			
07002-11423	O-RING P60	38	0			
07000-13024	O-RING	3	0			
07430-71380	O-RING	15	0			
07000-12012	O-RING	3	0			
07000-13032	O-RING	7	0			
07000-13040	O-RING	5	0			
723-46-15510	O-RING	2	0			

ORDER NO WO0086995	DATE
PAYMENT TERMS NET 30	

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CUSTOMER PO MJ 5/8

SERVICE PREVIEW

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
700-93-11320	O-RING	8	0			
07002-11823	O-RING	1	0			
07002-12434	O-RING P60	8	0			
700-22-11410	O-RING	1	0			
07000-12011	O-RING P60	2	0			
07000-11006	O-RING	1	0			
07000-11009	O-RING P60	2	0			
07000-12095	O-RING	1	0			
07000-12060	O-RING	4	0			
	CONSUMABLE SUPPLIES	1.00				

LABOR DISASSEMBLE & ASSEMBLE(O/V)

SEGMENT 21 TOTAL:

2,014.19 TOTAL

SEGMENT: 30 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721

SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU

JOB CODE : REPLACE S/N: A84080 Unit#:

COMPONENT CODE: HYDRAULIC PIPING(1)

WORK SITE: GENERAL EQUIPMENT & SUPPLIES, INC 3500 APPLE CREEK ROAD BISMARCK ND 58504

LOCATION : BISMARCK SHOP

WORK DESCRIPTION:

REPLACE LEAKING PILOT HOSES AND O-RINGS.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
207-62-63421	HOSE	1	0			
20Y-62-22661	HOSE	1	0			
20Y-62-22671	HOSE	1	0			
20Y-62-22681	HOSE	1	0			
20Y-62-22721	HOSE	1	0			
20Y-62-23861	HOSE	1	0			
20Y-62-22781	HOSE	1	0			
20Y-62-23831	HOSE	1	0			
207-62-63811	HOSE ASS'Y	1	0			
723-46-41950	RING	5	0			
07002-13634	O-RING	6	0			
700-93-11320	O-RING	6	0			
PH10643-6-4	FITTING	2	0			
PH471TC-4	HOSE HYD PARKER 1/4	2	0			
1400533H1	AW46 HYDOIL	45	0			
07430-71380	O-RING	2	0			
07005-00812	SEAL P60	12	0			
07000-B3032	O-RING	1	0			

ORDER NO WO0086995	DATE
PAYMENT TERMS NET 30	

CUSTOMER NO 33252
CUSTOMER PO MJ 5/8

SERVICE PREVIEW

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
07000-B3035	O-RING	1	0	---	---	---
1400533H1	AW46 HYDOIL	26	0			
	FREIGHT RECOVERY	1.00				
	CONSUMABLE SUPPLIES	1.00				
LABOR	REPLACE					
SEGMENT 30 TOTAL:						2,373.01 TOTAL

SEGMENT: 40 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721
 SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : ADJUST(PRESSURE) S/N: A84080 Unit#:
 COMPONENT CODE: PM-CLINIC SERVICE

WORK SITE:
 LOCATION :

WORK DESCRIPTION:
 COMPLETE PM TUNE UP OF HYDRAULIC SYSTEM.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	CONSUMABLE SUPPLIES	1.00				
LABOR	ADJUST(PRESSURE)					
SEGMENT 40 TOTAL:						886.58 TOTAL

SEGMENT: 50 SEGMENT TYPE: CHARGEABLE GES ID: E00046608 METER: 28721
 SERVICE TYPE:ESM-EXTERNAL BILLING -SHOP MODEL: PC400LC-6LK MFG: KOMATSU
 JOB CODE : WASH MACHINE S/N: A84080 Unit#:
 COMPONENT CODE: MACHINE

WORK SITE:
 LOCATION :

WORK DESCRIPTION:
 WASH OFF ALL OIL/GREASE/DIRT AROUND MAIN CONTROL VALVE BEFORE REMOVAL AND AFTER ALL REPAIRS ARE COMPLETED.

ITEM	DESCRIPTION	QTY	B/O	PRICE	CORE	TOTAL
	CONSUMABLE SUPPLIES	1.00				
LABOR	WASH MACHINE					
SEGMENT 50 TOTAL:						

ORDER NO WO0086995	DATE
PAYMENT TERMS NET 30	

CUSTOMER NO 33252
CUSTOMER PO MJ 5/8

SERVICE PREVIEW

517.90 TOTAL

PARTS	
LABOR	
MISC.	
SALES TAX	
INVOICE TOTAL	0.00 5,791.68