

1061

Invoice Number:

Date: 6/20/13

Account No.:

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Quantity	Item	N/R	Description	Unit Price	Extended
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REPAIR STARTING SYSTEM

CUSTOMER COMPLAINT:

ONAWA IA MONONA CO. INSIDE LIMITS. MACHINE WILL NOT CRANK OVER.

CAUSE OF FAILURE:

THE STARTER MOTOR FAILED. ALSO IF YOU GOT IT RUNNING ENGINE WOULD NOT SHUT OFF WHEN THE KEY SWITCH WAS IN THE OFF POSITION. YOU HAD TO MANUALLY SHUT IT OFF AT THE FUEL SOLENOID.

REPAIR PROCESS COMMENTS:

I REMOVED AND REPLACED THE STARTER ON THE MACHINE AND ENGINE STARTED RIGHT UP WELL. BUT IT WOULD NOT SHUT OFF. I FOUND THE WIRING HARNESS GOING TO THE SHUTOFF SOLENOID WAS BROKEN AND COULD NOT BE REPAIRED. I REPLACED THE WIRE HARNESS AND MACHINE IS WORKING CORRECTLY NOW.

1	10R-0395	MOTOR GP ELE	S5
1		CORE CHARGE	S5
1-		CORE CREDIT	S5
1	130-8446	HARNESS AS	N5

TOTAL PARTS

TOTAL LABOR

SEGMENT 01 TOTAL

1151.04 T

TRAVEL TO/FROM

45.00

TOTAL LABOR
TRAVEL MILEAGE

TOTAL MISC CHGS

SEGMENT 99 TOTAL

SERVICE SUPPLIES AND
ENVIRONMENTAL CHARGES

*** C O D ***
*** INVOICE COPY ***
DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL

1,521.11

10f3

Invoice Number:

Date: 1/29/13

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Quantity	Item	N/R	Description	Unit Price	Extended
REPAIR AIR CONDITIONER					
CUSTOMER COMPLAINT:					
HEATER CONTROL DOESN'T WORK.					
REPAIR PROCESS COMMENTS:					
REMOVED PLASTIC INTERIOR TRIM FROM ABOVE HEATER BOX. REMOVED ORIGINAL WIRING HARNESS AND CONTROL FROM HEATER BOX, REMOVED BLENDER DOOR MOTORS AND HEATER CONTROL VALVE. BLEW DIRT OUT OF EVAPORATOR AND HEATER CORE. INSTALLED NEW WIRING HARNESS ALONG WITH NEW BLENDER DOOR MOTORS AND HEATER CONTROL VALVE. ORIGINAL WIRE THAT GOES FROM HEATER CONTROL BOX TO CONSOLE CONTROLLER WAS DAMAGED, REPAIRED DAMAGED PLACES. INSTALLED NEW CONTROLLER IN CONSOLE. REINSTALLED PLASTIC TRIM ABOVE HEATER BOX. STARTED ENGINE AND TESTED HEATER AND AC.					
1	180-8007		KIT-CONTRL	N	
			TOTAL PARTS		
			TOTAL LABOR		
			SEGMENT 01 TOTAL		2130.86 T

REMOVE & INSTALL BATTERY					
CUSTOMER COMPLAINT:					
REPLACE BATTERIES.					
REPAIR PROCESS COMMENTS:					
REMOVED SHIELDING ABOVE AND AROUND BATTERIES. DISCONNECTED CABLES, REMOVED OLD BATTERIES AND INSTALLED NEW ONES. CONNECTED CABLES AND REPLACED SHIELDING AROUND BATTERIES.					
4	3T-5760		BATTERY-		
			TOTAL PARTS		
			TOTAL LABOR		
			SEGMENT 02 TOTAL		

REPAIR TURBOCHARGER					
CUSTOMER COMPLAINT:					
BROKEN TURBO OUTLET CLAMP.					
REPAIR PROCESS COMMENTS:					
REMOVED OLD CLAMP AND REPLACED WITH NEW CLAMP.					
1	7C-0752		CLAMP	N	
			TOTAL PARTS		
			TOTAL LABOR		
			SEGMENT 20 TOTAL		

REPAIR HYDRAULIC CONTROL VALVE					
CUSTOMER COMPLAINT:					
PILOT CONTROLS LEAKING.					
CAUSE OF FAILURE:					
SEALS WORN.					
REPAIR PROCESS COMMENTS:					
CLEANED CONTROL VALVE. REMOVED JOYSTICK. REMOVED					

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Quantity	Item	N/R	Description	Unit Price	Extended
	U-JOINT, REMOVED PLUNGERS, REMOVED SPRINGS, BUSHING, AND REMOVED BOTTOM COVER. CLEANED ALL PARTS, POLISHED BUSHINGS, REINSTALLED BUSHINGS AND SPRINGS, INSTALLED NEW PLUNGERS WITH NEW O-RINGS. INSTALLED BOTTOM COVER WITH NEW SEAL, AND INSTALLED NEW SEALS ON FITTINGS. REINSTALLED U-JOING AND JOYSTICK BACK IN ORIGINAL LOCATION. REPEATED PROCESS ON OTHER VALVE.				
8	094-0876		SEAL	S	
8	095-1586		O-RING	S	
8	096-1628		PLUG	N	
4	096-4498		WASHER	N	
8	118-4086		ROD	N	
4	165-9443		SEAT	N	
4	165-9444		SEAT	N	
2	165-9448		SEAL-O-RING	N	

TOTAL PARTS

TOTAL LABOR

SEGMENT 60 TOTAL

2024.08 T

REPAIR HYDRAULIC HOSES/LINES

CUSTOMER COMPLAINT:

HYDRAULIC OIL LEAKS INSIDE CAB.

CAUSE OF FAILURE:

PILOT OIL LINES LEAKING.

REPAIR PROCESS COMMENTS:

REMOVED SIDE CONSOLES FROM SEAT AND REMOVED SEAT.

DISASSEMBLED SIDE CONSOLES AND MARKED FITTING

CONNECTIONS. REMOVED TRACK CARRIER ROLLERS TO

LOWER TRACK DOWN. REMOVED COVERS FROM BELOW CAB.

MARKED PILOT LINE CONNECTION BELOW CAB AT

JUNCTION BLOCK. DISCONNECTED JOYSTICK VALVE AND

LINES FROM JUNCTION BLOCK, REMOVED PILOT LINES.

CLEANED OIL FROM CONSOLE HOUSING, CLEANED AND

INSPECTED WIRING HARNESSSES IN SIDE CONSOLE FOR

DAMAGE. INSTALLED NEW PILOT LINES, CONNECTED

FITTINGS TO CORRECT LOCATIONS, INSTALLED JOYSTICK

VALVES AND REASSEMBLED SIDE CONSOLES, INSTALLED

SEAT AND REMOUNTED SIDE CONSOLES. RAN MACHINE AND

TESTED ALL FUNCTIONS, CHECKED FOR LEAKS,

REINSTALLED CARRIER ROLLERS, REINSTALLED

SHIELDING UNDER MACHINE.

25	3J-1907		SEAL	S	
4	5P-8215		SEAL-O-RING	S	
15	6K-0806		TIE	S	
19	6V-8397		SEAL	S	
10	7K-1181		STRAP CABLE	S	
1	8T-1158		BOLT	S	
4	113-6882		HOSE AS	N	
4	113-6884		HOSE A	N	
1	113-6885		HOSE AS	N	
1	113-6887		HOSE AS	N	
2	124-1104		HOSE A	N	

TOTAL PARTS

TOTAL LABOR

SEGMENT 61 TOTAL

2189.31 T

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1/29/13

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Quantity	Item	N/R	Description	Unit Price	Extended
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REPAIR HYDRAULIC SYSTEM

CUSTOMER COMPLAINT:

HYDRAULIC LEAK BY HYDRAULIC RESERVOIR.

CAUSE OF FAILURE:

HYDRAULIC HOSE LEAKING AND WORK TOOL RETURN VALVE LEAKING.

REPAIR PROCESS COMMENTS:

TRANSFERRED HYDRAULIC OIL OUT OF RESERVOIR.

REMOVED LEAKING HOSE AND INSTALLED NEW ONE. WORK

TOOL RETURN VALVE BESIDE HYDRAULIC RETURN FILTER

WAS LEAKING. REMOVED VALVE AND DISASSEMBLED IT.

INSTALLED NEW SEALS IN IT AND MOUNTED IT BACK ON

MACHINE WITH NEW SEALS. TRANSFERRED ORIGINAL

HYDRAULIC OIL BACK IN RESERVOIR AND FILLED WITH

NEW OIL. STARTED AND TESTED MACHINE, VERIFIED

LEAKS WERE FIXED.

2	2D-0598	SEAL O RING	S
1	4J-0522	SEAL-O-RING	S
1	6V-8400	SEAL-O-RING	S
1	113-6764	HOSE A	N

TOTAL PARTS

16.00

TOTAL LABOR

CAT HYDO ADV 10W

TOTAL MISC CHGS

SEGMENT 62 TOTAL

REMOVE & INSTALL CARRIER ROLLER

REPAIR PROCESS COMMENTS:

INSTALLED NEW LEFT FRONT CARRIER ROLLER.

1	300-4545	ROLLER GP-CA	S
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TOTAL PARTS

SEG. 80

SEGMENT 80 TOTAL

TOTAL PARTS DISCOUNTSERVICE SUPPLIES AND
ENVIRONMENTAL CHARGES

*** C O D ***
 *** INVOICE COPY ***
 DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL

9,248.37

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Invoice Number:

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12/16/11

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Quantity	Item	N/R	Description	Unit Price	Extended
2	115-3696		UNDERCARRIAGE IDLER G N5		
1.00-			TOTAL PARTS U/C PARTS DISC	SEG. 01	
			TOTAL MISC CHGS	SEG. 01	
			SEGMENT 01 TOTAL		

*** C O D ***
*** INVOICE COPY ***
DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL 1,797.80

1.0F2

Invoice Number:

Date: 11/24/11

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Quantity	Item	N/R	Description	Unit Price	Extended
REPAIR ENGINE					
CUSTOMER COMPLAINT:					
BLACK SMOKE AND MISS					
CAUSE OF FAILURE:					
#3 INJECTOR STUCK					
RESULTANT DAMAGE:					
NO DAMAGE					
REPAIR PROCESS COMMENTS:					
MACHINE SMOKING BAD AND MISS. REMOVED VALVE COVER					
AND INSPECT FOR PROBLEM. FOUND #3 INJECTOR RACK					
STUCK AT FULL FUEL. R&I #1 AND #3 ROCKER ARM					
ASSEMBLIES AND PUSHRODS. REMOVED #3 INJECTOR. CUT					
NEW SEAT IN INJECTOR CUP AND INSTALLED A REMAN					
INJECTOR AND TORQUE TO SPEC. PERFORMED INJECTOR					
SYNCHRONIZATION AND ADJUSTED ALL INTAKE AND					
EXHAUST VALVES AND FUEL INJECTOR TIMING. RUN					
MACHINE AND CHECK OPERATION, OK. E516TAB					
1	OR-8682		INJECTOR GP	S5	
1			CORE CHARGE	S5	
1-			CORE CREDIT	S5	
2	8T-0292		BOLT	S5	
TOTAL PARTS					
TOTAL LABOR					
SEGMENT 20 TOTAL					

REPAIR AIR CONDITIONER					
CUSTOMER COMPLAINT:					
AC BELT SQUEAL					
CAUSE OF FAILURE:					
AC COMPRESSOR BRACKET LOOSE.					
RESULTANT DAMAGE:					
NO DAMAGE					
REPAIR PROCESS COMMENTS:					
INSPECT FOR PROBLEM. FOUND AC COMPRESSOR MOUNTING					
BRACKET BOLTS LOOSE. TIGHTENED BRACKET BOLTS AND					
ADJUSTED BELT AND RUN MACHINE, NO NOISE. E516TAB					
TOTAL LABOR					
SEGMENT 21 TOTAL					

REPAIR ENGINE					
CUSTOMER COMPLAINT:					
COOLER LEAKING OIL.					
REPAIR PROCESS COMMENTS:					
DRAINED ANTIFREEZE. REMOVED HOSE OFF AIR TUBE OFF					
TURBO. REMOVED TURBO OIL DRAIN TUBE. REMOVED OIL					
LINE ON TOP OF TURBO. TOOK EXHAUST TO TURBO					
LOOSE. TOOK TURBO OFF. TOOK COOLER OFF. CLEANED					
ALL PARTS. PUT NEW O RINGS AND GASKETS ON COOLER.					
PUT COOLER BACK ON. PUT TURBO BACK ON PUT OIL					
LINE BACK ON TOP OF TURBO. PUT OIL DRAIN BACK ON					
TURBO. TIGHTENED EXHAUST. PUT AIR TUBE BACK ON					
TURBO. FILLED FULL OF ANTIFREEZE. TESTED AND					
WORKED.					
1	1S-7057		GASKET	S5	
1	2M-9780		SEAL O RING	S5	
1	3J-1907		SEAL	S5	
2	3P-1156		SEAL-O-RING	S5	

2-F2

Invoice Number:

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Quantity	Item	N/R	Description	Unit Price	Extended
1	4F-7391		O RING	S5	
3	5F-9657		RING	S5	
1	6V-8397		SEAL	S5	
1	7C-7490		GASKET	N5	
1	7W-2398		GASKET	S5	
1	233-7654		GASKET	S5	
1	233-7655		GASKET	S5	

TOTAL PARTS

TOTAL LABOR

SEGMENT 22 TOTAL

487.51 T

SERVICE SUPPLIES AND
ENVIRONMENTAL CHARGES* * * C O D * * *
* * * INVOICE COPY * * *
DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL

1,494.34

1 of 1

Invoice Number:

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Quantity	Item	N/R	Description	Unit Price	Extended
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RESEAL SWING DRIVE
OIL IS LEAKING PAST THE PINION SHAFT SEAL.
LIP SEAL SURFACE ON PINION WAS ROUGH AND CAUSED
LIP SEAL TO WEAR.
HAD TO DISASSEMBLE SWING DRIVE TO REPLACE TWO LIP
SEALS.
DISASSEMBLED SWING DRIVE. INSPECTED ALL BEARINGS
AND GEARS AND FOUND THAT ALL COULD BE REUSED. HAD
TO USE BIG PRESS TO REMOVE LOWER BEARING FROM
PINION TO REPLACE LIP SEALS. SURFACE WHERE BOTH
LIP SEALS SET WAS ROUGH AND PITTING. SENT TO
MACHINE SHOP TO BE CUT AND POLISHED. ASSEMBLED
SWING DRIVE AND REPLACED ALL SEALS NEEDED TO MAKE
REPAIR. DID NOT INSPECT SWING DRIVE MOTOR. NO
PARTS RETURN

1	3K-0360	CLB	SEAL	S
1	5P-2235		SEAL	S
1	8T-6404		SEAL-O-RING	S
4	095-0886		PIN, SPRING	S
4	095-0891		PIN, SPRING	S
2	135-9044		SEAL	S
1	CH1U-8846		GASKET/MAKER LOCTIS	

TOTAL PARTS

TOTAL LABOR

SEGMENT 30 TOTAL

1583.42 T

SERVICE SUPPLIES AND
ENVIRONMENTAL CHARGES

*** C O D ***
*** INVOICE COPY ***
DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL

1,785.50

1.63

Invoice Number:

Date: 7/29/10

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Quantity	Item	N/R	Description	Unit Price	Extended
REPAIR AIR CONDITIONER					
1	175-7162		DRYER	S	
			TOTAL PARTS		
			TOTAL LABOR		
			SEGMENT 01 TOTAL		
REPAIR WINDSHIELD					
1.00			GLASS REPAIR		
			TOTAL MISC CHGS		
			SEGMENT 02 TOTAL		
REPAIR ENGINE					
6	OR-8682		INJECTOR GP	S	
6			CORE CHARGE	S	
6-			CORE CREDIT	S	
1	1R-0751		FILTER AS	S	
1	1R-0753		FILTER AS	S	
1	6V-5683		BOLT	S	
1	119-2940		GASKET	S	
6	139-5925		BOLT	S	
1	162-8756		CONTROL AS	N	
			TOTAL PARTS		
			TOTAL LABOR		
			SEGMENT 20 TOTAL		1920.13 T
REPAIR ENGINE					
1	1T-1068		SEAL	S	
1	3K-0360		SEAL	S	
1	4F-9653		SEAL	S	
2	4J-5477		SEAL O RING	S	
1	4K-1388		SEAL O RING	S	
3	4Y-9652		GASKET	S	
1	6F-6673		SEAL	S	
8	6V-8397		SEAL	S	
1	7E-0844		SEAL	S	
2	107-7611		PLUG	N	
1	143-9509		NOZZLE	S	
			TOTAL PARTS		
			TOTAL LABOR		
			SEGMENT 21 TOTAL		949.59 T
REPAIR MUFFLER					
1	7C-0752		CLAMP	N	
1	7Y-1229		CONNECTOR	N	
1	7Y-1508		MUFFLER A	N	
1	7Y-1532		CLAMP A	N	
			TOTAL PARTS		
			TOTAL LABOR		

20F3

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Quantity	Item	N/R	Description	Unit Price	Extended
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SEGMENT 22 TOTAL

690.99 T

HONE & RESEAL STICK CYLINDER

1	1P-3704	SEAL	S
2	5K-9090	SEAL O RING	S
1	7I-7180	PISTON	N
1	199-7416	SEAL KIT	N

TOTAL PARTS

TOTAL LABOR

SEGMENT 60 TOTAL

1217.71 T

REPAIR HYDRAULIC CONTROL VALVE

4	4J-5477	SEAL O RING	S
2	4J-8998	SEAL O RING	S
1	6V-5196	BOLT	N
2	6V-8218	SEAL	S
6	6V-8397	SEAL	S
2	005-8593	SEAL	N
1	095-1681	O-RING	S
1	123-2003	SEAL	S
1	126-2081	ELEMENT	S
1	184-3931	FILTER A	S

TOTAL PARTS

TOTAL LABOR

CAT HYD OIL 10W

TOTAL MISC CHGS

SEGMENT 61 TOTAL

1483.71 T

REMOVE & INSTALL STICK CYLINDER

F/R LBR

SEGMENT 62 TOTAL

SERVICE SUPPLIES AND
ENVIRONMENTAL CHARGES

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Quantity	Item	N/R	Description	Unit Price	Extended
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* * * C O D * * *
* * * INVOICE COPY * * *
DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL 8,129.52

10FS

Invoice Number:

Date:

4/30/08

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Quantity	Item	N/R	Description	Unit Price	Extended
PAID CHECK #2741 \$11453.65 4/29/08					
MACHINE/GRIND/MILL STICK					
THE ENTIRE BUCKET LINKAGE WAS WORN. BORES WERE					
ALL WORN BEYOND SPEC. WELDED UP THE BORES AND					
FACES ON EACH SET OF BORES. FINISHED EACH SET					
TO SPEC SIZE FOR DIAMETER AND WIDTH. INSTALLED					
ALL NEW BEARINGS, SEALS AND PINS.					
CLB					
2.00			TOTAL LABOR	SEG. M1	
1.00			MEAL		
			MOTEL ROOM		
			TOTAL MISC CHGS	SEG. M1	
			SEGMENT M1 TOTAL		2425.79 T

PERFORM TAI INSPECTION					
CUSTOMER COMPLAINT:					
NOT ENOUGH POWER					
CAUSE OF FAILURE:					
RELIEF VALVE					
REPAIR COMMENTS:					
TESTED ALL FUNCTIONTS . ALL PRESSURES WERE 100					
LBS LOW. RAISED PRESSURE TO SPEC.					
			F/R L/M		
			SEGMENT 01 TOTAL		

PERFORM MAINTENANCE ON HYDRAULIC SYSTEM					
REPAIR COMMENTS:					
DRAINED FLUIDS FROM TANK. REMOVED SCREEN AND					
CLEANED IT AND THE TANK. CHANGED FILTER AND					
PILOT FILTER USING NEW SEALS . FILLED SYSTEM WITH					
FLUID.					
4	8T-6726		CLAMP	N5	
1	095-1608		O-RING	S5	
1	095-1730		O-RING	S5	
2	123-2003		SEAL	S5	
1	123-2701		HOSE	N5	
1	126-2081		ELEMENT	S5	
1	184-3931		FILTER A	S5	
			TOTAL PARTS	SEG. 02	
37.00			TOTAL LABOR	SEG. 02	
			CAT HYD OIL 10W		
			TOTAL MISC CHGS	SEG. 02	
			SEGMENT 02 TOTAL		891.64 T

PERFORM MAINTENANCE ON ENGINE					
REPAIR COMMENTS:					
DRAINED ENG. OIL AND REMOVED OIL FILTER.					
INSTALLED NEW FILTER AND OIL. REMOVED BOTH AIR					
FILTERS AND INSTALLED NEW FILTERS					
1	1R-1807		LUBE FILTER	S5	
1	131-8821		ELEMENT A	S5	
1	131-8822		ELEMENT A	S5	

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Quantity	Item	N/R	Description	Unit Price	Extended
			TOTAL PARTS	SEG. 03	
5.20			TOTAL LABOR	SEG. 03	
			CAT DE OIL 15W40		
			TOTAL MISC CHGS	SEG. 03	
			SEGMENT 03 TOTAL		243.05 T

CLEAN MACHINE

REPAIR COMMENTS:

STEAM CLEANED MACHINE AND MOSTLY AROUND THE HYDR.
PUMP AREA BECAUSE OF OIL LEAKS

TOTAL LABOR SEG. 04

SEGMENT 04 TOTAL

REPAIR STICK

CUSTOMER COMPLAINT:

LOOSE PINS BETWEEN THE STICK AND BUCKET

RESULTANT DAMAGE:

PINS WORN AND BRG. WERE BROKE AND LOOSE

REPAIR COMMENTS:

SEPRATED THE BUCKET FROM THE STICK. REMOVED ALL
LINKS. REMOVED OLD BRG. ALL THE BRG. BORES WERE
BUILT UP AND REBORED. INSTALLED NEW BRG. NEW PINS
AND NEW LINKS. INSTALLED BUCKED ON THE STICK.
HOOKED UP THE LINKS TO THE PINS. INSTALLED NEW
GREASE FITTINGS AND GREASED ALL THE PINS.

5	3B-8489	FITTING	S5
2	7X-2558	BOLT	N5
2	7Y-3428	BEARING	N5
1	7Y-7685	PIN	N5
1	7Y-7687	SHIM	N5
1	7Y-7688	FLANGE	N5
8	8T-4132	NUT	S5
2	8T-6383	BOLT	N5
4	093-1344	O-RING	S5
2	093-1434	SEAL, DUST	N5
10	096-0854	SEAL	S5
2	096-0854	SEAL	S5
2	118-5196	PIN	N5
2	137-2820	BEARING	N5
1	301-4556	PIN-CLASSIC	N5
1	301-4765	LINK-CLASSIC	N5
1	301-5240	LINK AS.-CLA	N5
1	314-8697	PIN-CLA	N5

TOTAL PARTS SEG. 05

TOTAL LABOR SEG. 05

SEGMENT 05 TOTAL

3348.24 T

REPAIR TRACK ADJUSTER

CUSTOMER COMPLAINT:

THE LEFT TRACK ADGUSTER WOULD NOT MOVE

RESULTANT DAMAGE:

THE ADJUSTER WAS FROZE

REPAIR COMMENTS:

325

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Quantity	Item	N/R	Description	Unit Price	Extended
REMOVED ADJUSTER FROM MACHINE . COUPLED UP THE ADJ. TO THE PRES PUMP AND HAD 40 TONS ON IT AND IT WOULD NOT MOVE. DECIDED TO INSTALL A NEW ADJ. EVERY PART WAS SEPERATE . ASSEMED ALL PARTS AND NEW SEALS. INSTALLED ADJ. BACK ON MACHINE. HOOKED UP THE TRACK AND ADJUSTED THE TRACK.					
1	OR-7400		CYLINDER AS	N5	
1			CORE CHARGE	N5	
1-			CORE CREDIT	N5	
1	7Y-0680		PISTON	N5	
1	7Y-0682		RING BACK UP	S5	
1	7Y-0682		RING BACK UP	S5	
2	093-1512		RING, BACK-UP	S5	
2	095-1619		O-RING	S5	
1	095-7944		PIN, SPLIT	S5	
1	113-2824		PLATE A	N5	
1	198-2952		SEAL, DUST	S5	

TOTAL PARTS

TOTAL LABOR

SEGMENT 06 TOTAL

1528.49 T

REPAIR HYDRAULIC HOSES/LINES

CUSTOMER COMPLAINT:

LEAKS ON LINES AROUND THE PUMPS

RESULTANT DAMAGE:

BAD SEALS

REPAIR COMMENTS:

REMOVED LINES AND INSTALLED NEW SEALS. REMOVED
SUCTION LINE AND INSTALLED NEW SUCTION HOSE
AND CLAMPS. CHECKED AND TIGHTENED ALL HOSE ENDS.

4	3J-1907	SEAL	S5
1	3J-7354	SEAL O RING	S5
4	6V-8397	SEAL	S5

TOTAL PARTS

TOTAL LABOR

SEGMENT 07 TOTAL

484.18 T

REPAIR ENGINE OIL FILTER

CUSTOMER COMPLAINT:

OIL WAS LEAKING FROM THE LEFT SIDE OF THE ENG.

CAUSE OF FAILURE:

HARD ORINGS

REPAIR COMMENTS:

REMOVED OIL MANIFOLD FROM THE ENG. . THE ORINGS
WERE HARD AND CRACKED. CLEANED PARTS AND
INSTALLED MANIFOLD WIYH NEW SEALS. ALSO THE OIL
LINE FROM MANIFOLD TO THE FILTER WAS HARD AND
CRACKED. INSTALLED NEW OIL LINE.

2	3D-2824	SEAL O RING	S5
1	3J-1907	SEAL	S5
1	3W-8560	HOSE A	N5
1	4F-9653	SEAL	S5
2	6V-9746	SEAL O RING	S5

TOTAL PARTS

TOTAL LABOR

4.05

Invoice Number:

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Quantity	Item	N/R	Description	Unit Price	Extended
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SEGMENT 08 TOTAL

REPAIR WARNING HORN
 CUSTOMER COMPLAINT:
 THE HORN WOULD NOT WORK
 REPAIR COMMENTS:
 CHECKED HORN BUTTON AND HORN RELAY THEY WERE
 OKAY. FOUND THERE WAS NO CURENT FROM THE BUTTON
 TO THE RELAY. AFTER SEACHING FOR AWHILE FOUND A
 BROKEN WIRE. REPAIRED IT BUT THE HORN DID NOT
 WORK. FOUND BOTH HORNS WERE NO GOOD. INSTALLED
 TWO NEW HORNS. HORNS WORKED FINE.

1	9W-1442		FUSE	S5	
1	155-2270		PLUG KIT	S5	
1	163-1201		HORN A	S5	
1	174-7875		HORN AS - 24	S5	
4	186-3736		SOCKET-CONNE	S5	

TOTAL PARTS

TOTAL LABOR

SEGMENT 09 TOTAL

271.71 T

PERFORM MAINTENANCE ON FINAL DRIVE
 REPAIR COMMENTS:
 PULLED SAMPLES EARLYER AND THEY SHOWED DIRT.
 DRAINED FLUID FROM BOTH FINALS AND FILLED WITH
 NEW OILS.

4.00

TOTAL LABOR
 CAT TRCT.OIL 50W

TOTAL MISC CHGS

SEGMENT 10 TOTAL

1.00-

PROMOTION
 T.A. INSPECTION

TOTAL MISC CHGS

SEGMENT 11 TOTAL

TRAVEL TO/FROM

F/R MSC

SEGMENT 98 TOTAL

SERVICE SUPPLIES AND
 ENVIRONMENTAL CHARGES

50FS

Invoice Number:

7

Date:

4/30/08

Account No.:

0

Page:

6

Quantity	Item	N/R	Description	Unit Price	Extended
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* * * C O D * * *
* * * INVOICE COPY * * *
DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL

11,453.65

1051

Invoice Number:

Date: 3/29/06

Account No.:

Page: 2

Quantity	Item	N/R	Description	Unit Price	Extended
PAID CHECK 1748 \$2274.32 W/ 54C153908A 3/280/6 REPAIR SWING DRIVE MOTOR CUSTOMER COMPLAINED OF THE SWING DRIVE LEAKING OIL. WE CLEANED THE SWING DRIVE AND MOTOR, DISASSEMBLED THE SWING DRIVE, FOUND THE TOP 2 GEARS WERE BAD DUE TO OIL STARVATION. WE INSPECTED ALL THE BEARINGS AND FOUND OK. THE CUSTOMER DOES NOT WANT TO REPLACE THE BEARINGS IF THEY ARE OK. WE CLEANED ALL THE PARTS AND FOUND DEEP GROOVES WORN INTO THE PRIMARY SHAFT FROM THE SEALS. WE SENT THE SHAFT TO THE MACHINE SHOP FOR REPAIR, REASSEMBLED THE SWING DRIVE USING ALL NEW SEALS, PRESSED THE SHAFTS AND BEARINGS BACK IN.					
1	1U-8846		GASKET MAKER	S	
1	4I-7463		GEAR SUN	N	
1	5P-2235		SEAL	N	
1	7Y-0595		SPACER	N	
1	7Y-1434		SPACER	N	
1	8T-6404		SEAL-O-RING	S	
1	110-7216		GEAR	N	
1	114-8234		BREATHER AIR	N	
3	135-9044		SEAL	N	
			TOTAL PARTS	SEG. 01	
			TOTAL LABOR	SEG. 01	
1.00			REPAIR SHAFT		
			TOTAL MISC CHGS	SEG. 01	
			SEGMENT 01 TOTAL		1937.35 T

*** C O D ***
*** INVOICE COPY ***
DUE BY 10TH OF THE NEXT MONTH

INVOICE TOTAL

2,113.00