

Sold To

Invoice Number: SW080128906

Date: 5/22/15

Account No.: 0097460

Ship To: ALL ORDERS MUST HAVE PO#
NO PO# - NO PARTS ORDERS PROCE

Invoice Information

WO Number: WJ08971
WO Date: 5/01/15

Store: ST. CLOUD
Payment Terms: CHARGE
P/O Number: 4
Ship Via:
Invoice Type: 1H1H1H

Make: CATERPILLAR
Model: C12
Serial: 02KS58565
PIN:
Id No:
Cust Unit: 4

Meter: 858800.0

Invoice Summary

Parts:
Labor:
Misc:
Taxes:

Amount Due: \$27,520.26

Invoice Total: 27,520.26

DUE BY 10TH OF THE NEXT MONTH

Credit card payments are only accepted at Point of Sale.

A service charge of 1 1/2 % per month will be assessed on all past due accounts.

To ensure proper credit, please detach this portion, at the perforation, and return with remittance.



ROCK ON ENTERPRISES
3100 7TH ST S
WAITE PARK MN 56387-1090

Account Number: 0097460
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INVOICE COPY

Amount Due: \$27,520.26

Amount Enclosed:



MINNESOTA
IOWA
MISSOURI
WISCONSIN

Invoice Number: SW080128906 Date: 5/22/15 Account No.: 0097460 Page: 2

Quantity	Item	N/R	Description	Unit Price	Extended
COMPLETE PRE-SAFETY CHECK COMPLETED SAFETY CHECK.					
SEGMENT AA TOTAL					.00 T

TROUBLESHOOT ENGINE CUSTOMER COMPLAINT: LOW POWER, MISS IN ENGINE. PERFORMED A CYLINDER CUT OUT TEST, INJECTOR #3 & 5 WERE BOTH DEAD. UNPLUGGED WIRE HARNESS AT ECM & FOUND OIL IN WIRE HARNESS DUE TO OIL PRESSURE SENSOR FAILURE. AFTER WIRE HARNESS WAS REPLACED CONNECT A TEST ECM. FOUND #5 TO BE WORKING & #3 STILL DEAD. RECONNECTED TO ORIGINAL ECM, SAME. PULLED VALVE COVER TO FIND PUSH ROD FOR #3 INJECTOR FELL OUT OF PLACE.					
TOTAL LABOR				SEG. 01	224.00 *
SEGMENT 01 TOTAL					224.00 T

REPLACE ENGINE WIRING HARNESS REMOVED WIRE HARNESS DUE TO OIL IN HARNESS FROM OIL PRESSURE SENSOR FAILURE. REPLACED OIL PRESSURE SENSOR, PRIMARY SPEED SENSOR & WIRING HARNESS. SECURED HARNESS WITH NEW P-CLAMPS.					
20	6K-0806		TIE	S5	5.80
1	6V-5048		SEAL-O-RING	S5	3.43
1	189-9195		HARNESS AS-W	S5	293.23
1	194-6725		SENSOR GP-PR	S5	140.82
1	201-6615		SENSOR GP-SP	S5	113.63
1	203-3940		SEAL-O-RING	S5	2.03
TOTAL PARTS				SEG. 02	558.94 *
TOTAL LABOR				SEG. 02	280.00 *
SEGMENT 02 TOTAL					838.94 T

REPLACE CAMSHAFT INSTALLED NEW CAM BEARING #1,2,7. INSTALLED NEW REMAN CAMSHAFT, NEW FOLLOWERS, NEW ROCKER ARM FOR #3 INJECTOR, PUSH TUBE FOR #3 INJECTOR.					
1	0R-9428		CAMSHAFT AS	S5	1236.50
1			CORE CHARGE	S5	816.16
1-			CORE CREDIT	S5	816.16-
1	4K-9841		WASHER	S5	1.00
1	10R-1798		ARM A ROCKER	S5	108.19
1			CORE CHARGE	S5	40.19
1-			NO CREDIT	S5	.00
1	133-7068		GASKET-COVER	S5	2.45
1	216-5583		BEARING-SLEE	S5	34.31
1	216-5584		BEARING-SLEE	S5	34.31
2	216-5585		BEARING-SLEE	S5	64.94
12	251-1005		LIFTER AS-VA	S5	857.16
1	341-8889		PUSHROD-INJE	S5	21.23
TOTAL PARTS				SEG. 03	2400.28 *
TOTAL LABOR				SEG. 03	1288.00 *

MINNESOTA
IOWA
MISSOURI
WISCONSIN

Invoice Number: SW080128906

Date: 5/22/15

Account No.: 0097460

Page: 3

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SEGMENT 03 TOTAL					3688.28 T

RECONDITION IN FRAME ENGINE PRECIOUS METAL PLAT KIT C DISCONNECTED BATTERIES, DRAINED COOLANT & DISASSEMBLED TOP END, REMOVED CYLINDER HEAD. INSPECTED CAMSHAFT, FOUND INJECTOR LOBE #3 WAS WORN EXCESSIVELY, CAMSHAFT NEEDS TO BE REPLACE, ALL CYLINDERS HAD VERTICAL SCRATCHES IN LINERS. HEAD WAS CRACKED BETWEEN #2 EXHAUST VALVES, HEAD WILL NEED TO BE REPLACED. INSPECTED TURBO, FOUND THAT ARM FOR WASTE GATE WAS BENT & WAS NOT OPERATING CORRECTLY, TURBO SHOULD BE REPLACED. INSPECTED HEAD GASKET FOUND THAT IT WAS NOT LEAKING. CLEANED & INSPECTED BLOCK, OK. TAPPED HEAD BOLT HOLES, INSTALLED NEW MAIN BEARINGS TORQUED CAPS TO 70 FT.LBS +90 DEG. INSTALLED 6 NEW REMAN CYLINDER PAKS WITH NEW ROD BEARINGS, TORQUED CAPS TO 95 FT.LBS +60 DEGREES. INSTALLED PISTON COOLING JETS, CHECKED CLEARANCE, OK. CHECKED LINER PROTRUSION, OK. TRANSFERRED COMPONENTS TO NEW CYL. HEAD & INSTALLED, TORQUED TO SPEC. INSTALLED 6 NEW REMAN INJECTORS WITH NEW HOLD DOWN BOLTS. ASSEMBLED TOP END & ADJUSTED INTAKE VALVES .015" EXH. .025" INJ. TO CONTACT +180 DEG. INSTALLED JAKE BRAKES, ADJUSTED .040". TORQUED ALL JAM NUTS TO SPEC. ASSEMBLED COMPONENTS ON TOP END, REPLACED WATER PUMP & REGULATORS. INSTALLED NEW REMAN OIL PUMP, THE SUMP & PAN, INSTALLED NEW OIL FILTER. FILLED ENGINE WITH 9 GAL 15W40 CAT DEO. CALIBRATED OIL LEVEL GAUGE. FILLED COOLING SYSTEM WITH NEW CAT EXTENDED LIFE COOLANT, PRESSURE CHECKED FOR LEAKS, OK. REPLACED FUEL FILTERS, PRIMED SYSTEM ENTERED NEW INJECTOR TRIM CODES INTO ECM. CHECKED FUEL SETTINGS, OK. ECM SOFTWARE WAS LATEST #2244618 OK. RAN & CALIBRATED TIMING, OK. RAN ENGINE UP TO OPERATING TEMP, INSPECTED ALL SENSORS PRESSURES WERE ALL OK. RAN ENGINE UNTIL THERMOSTATS OPENED & FAN ENGAGED, ALL SYSTEMS ARE FUNCTIONING CORRECTLY. PERFORMED ROAD TEST & CHECKED FOR LEAKS, OK, PAINTED ENGINE.					
				F/R PTS	10380.00 *
3	1U-5516		DISC	S5	
3	1U-5517		DISC	S5	
3	4C-4200		PAINT-YELLOW	S5	
3	4C-4205		PRIMER YELLO	S5	
50	7K-1181		STRAP CABLE	S5	
1	10R-9810		KIT ENG OVER	S5	
1			CORE CHARGE	S5	
1-			CORE CREDIT	S5	
				F/R LBR	4960.00 *
				F/R MSC	145.00 *
SEGMENT 04 TOTAL					15485.00 T

REPLACE WITH EXCHANGE TURBOCHARGER ENGINE IN FRAME INSTALLED A NEW REMAN TURBO WITH NEW HARDWARE DURING OPT OVERHAUL.					

MINNESOTA
IOWA
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Invoice Number: SW080128906

Date: 5/22/15

Account No.: 0097460

Page: 4

Quantity	Item	NR	Description	Unit Price	Extended
1	OR-7579		TURBO GP	S	1598.74
1			CORE CHARGE	S	970.18
1-			CORE CREDIT	S	970.18-
1	5P-8066		SEAL	S	8.10
			TOTAL PARTS	SEG. 05	1606.84 *
				F/R LBR	65.00 *
			SEGMENT 05 TOTAL		1671.84 T

REPLACE ENGINE OIL COOLER					
INSTALLED NEW REMAN OIL COOLER DURING OPT OVERHAUL					
1	OR-8191		CORE AS OIL	S	1001.00
1			CORE CHARGE	S	396.87
1-			CORE CREDIT	S	396.87-
2	2N-5243		SEAL O RING	S	8.16
2	061-7540		SEAL O RING	S	17.88
1	100-8525		GASKET	S	1.66
2	117-3036		O RING	S	8.50
2	335-9214		CLAMP-BAND	S	10.80
			TOTAL PARTS	SEG. 06	1048.00 *
				F/R LBR	112.00 *
			SEGMENT 06 TOTAL		1160.00 T

REPLACE ENG OIL FILTER HSG/BASE					
INSTALLED A NEW OIL FILTER BASE ASSEMBLY, WITH ALL NEW SEALS.					
1	5S-9134		SEAL O RING	S	19.94
2	6V-3831		SEAL O RING	S	30.68
1	8C-5230		SEAL O RING	S	13.01
1	061-8561		SEAL	S	9.50
1	166-1329		FILTER BASE	S	659.72
			TOTAL PARTS	SEG. 07	732.85 *
			TOTAL LABOR	SEG. 07	112.00 *
			SEGMENT 07 TOTAL		844.85 T

REPLACE GASKET / SEAL TIMING GEAR HOUSING					
REMOVED FAN HUB, ALTERNATOR BRACKETS & TIMING GEAR COVER. REMOVED ALL GEARS FROM FRONT COVER					
REMOVED AIR COMPRESSOR BOLTS, REMOVED POWER STEERING PUMP, FOUND THAT SPLINES ON PUMP & IN THE ACCESSORY DRIVE WERE STRIPPED, POWER STEERING PUMP & ACCESSORY DRIVE NEED TO BE REPLACED.					
REMOVED FRONT HOUSING FROM ENGINE BLOCK, RESEALED HOUSING & INSTALLED, TORQUED BOLTS TO SPEC.					
INSTALLED IDLER GEARS, TORQUED TO SPEC. INSTALLED NEW ASSESORY DRIVE GEAR, INSTALLED FRONT COVER WITH NEW FRONT CRANK SEAL. INSTALLED DAMPNER TORQUED TO SPEC. INSTALLED USED POWER STEERING PUMP TO REPLACE THE DAMAGED PUMP SUPPLIED BY CUSTOMER.					
2	5R-7137		WASHER	S	6.50
2	8H-9789		BEARING	S	55.68
1	107-5769		SEAL O RING	S	5.75
1	115-9424		GEAR	S	222.32

MINNESOTA
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Date: 5/22/15

Account No.: 0097460

Page: 5

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2	203-3940		SEAL-O-RING	S	4.06
1	417-4536		KIT GASKET	S	213.88
			TOTAL PARTS	SEG. 08	508.19 *
			TOTAL LABOR	SEG. 08	588.00 *
			SEGMENT 08 TOTAL		1096.19 T

REPLACE ENGINE MOUNTING ISOLATOR REPLACED FRONT & REAR ENGINE MOUNTS.					
			TOTAL LABOR	SEG. 09	318.50 *
2.00			FRONT MOTOR MOUN		78.30
2.00			FRONT MOTOR MOUN		211.06
2.00			REAR MOTOR MOUNT		365.14
2.00			REAR MOTOR MOUNT		189.34
			TOTAL MISC CHGS	SEG. 09	843.84 *
			SEGMENT 09 TOTAL		1162.34 T

MISCELLANEOUS					
INSTALLED FUEL LINES FROM TRANSFER PUMP UP TO FILTER BASE, INSTALLED NEW EXHAUST PIPING FROM TURBO TO Y PIPE WITH NEW BAND CLAMPS. INSTALLED NEW PRIMARY FUEL FILTER, REPLACED FUEL CHECK VALVE. REPLACED IDLER PULLEY & TENSIONER PULLEY BEARINGS WERE RUFF. REPLACED AIR SUPPLY TUBE TO AIR COMPRESSOR THAT WAS RUSTED & BRITTLE. INSTALLED NEW WEAR SLEEVE ON CRANKSHAFT, INSTALLED NEW OIL PUMP TUBES, OLD TUBES WERE WORN & RUSTED. REPLACE TWO PISTON COOLING JETS, FILLED COOLING SYSTEM WITH NEW EXTENDED LIFE COOLANT.					
2	1K-6872		NUT	S	1.44
1	3D-2824		SEAL O RING	S	1.42
2	3E-4352		WASHER	S	.76
1	3P-0647		SEAL-O-RING	S	4.50
1	6V-7688		NUT	S	8.05
1	7C-1798		SCREW ROCKER	S	7.82
1	7C-1821		COUPLING	S	59.95
1	7C-1822		COUPLING	S	52.12
1	8L-2777		O RING	S	4.06
2	8T-0100		BOLT	S	1.24
1	9Y-0821		SLEEVE	S	30.44
1	061-9455		SEAL	S	10.58
1	128-0331		HOSE	S	4.88
1	130-0797		HOSE AS.	N	34.09
1	166-6352		TUBE AS	S	61.29
2	172-4702		CLAMP	S	2.42
1	173-1498		PULLEY AS-ID	S	115.79
2	178-3620		STRAP-DUAL C	S	9.62
3	209-7309		PLUG	S	21.36
1	214-7568		SEAL-O RING	S	3.79
2	238-5082		SEAL-O-RING	S	11.60
1	238-5084		SEAL-O-RING	S	6.71
1	245-6095		NUT-HEX THIN	S	.35
1	256-8753		FILTER AS SE	S	23.61
1	258-8721		BUTTON	S	10.99
2	274-1587		TUBE AS.-OIL	S	135.76
1	281-2725		VALVE GP	S	27.17
4	J009624		SEALCLAMP	S	57.72

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Account No.: 0097460

Page: 6

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6	7030-250		2 1/2 SILICONE/INCS		12.54
			TOTAL PARTS	SEG. 10	722.07 *
			TOTAL LABOR	SEG. 10	448.00 *
1.00			EXHAUST PIPE		337.60
9.00			EXTEND LIFE COOL		115.65
			TOTAL MISC CHGS	SEG. 10	453.25 *
			SEGMENT 10 TOTAL		1623.32 T

REPLACE FUEL TRANSFER PUMP TRANSFERRED FITTINGS FROM OLD TRANSFER PUMP TO NEW REMAN PUMP & INSTALLED.					
1	193-3982		TUBE AS	S	35.94
1	20R-1526		PUMP GP F	S	164.66
1			CORE CHARGE	S	60.97
1-			CORE CREDIT	S	60.97-
3	238-5080		SEAL-O-RING	S	13.38
			TOTAL PARTS	SEG. 11	213.98 *
				F/R LBR	112.00 *
			SEGMENT 11 TOTAL		325.98 T

REPLACE FUEL LINES GROUP REPLACED RETURN FUEL LINE TO TANKS WITH NEW CLAMPED & ZIP TIED INTO PLACE.					
111	9X-2374		IN HOSE STK	S	45.51
1	001-6287		FITTING	S	9.93
1	068-0556		FITTING	S	15.00
			TOTAL PARTS	SEG. 12	70.44 *
			TOTAL LABOR	SEG. 12	91.00 *
1.00			HOSE ASSEMBLY		20.00
			TOTAL MISC CHGS	SEG. 12	20.00 *
			SEGMENT 12 TOTAL		181.44 T

DISASSEMBLE & ASSEMBLE RADIATOR TESTED ATAAC & FOUND IT LEAKED, RADIATOR CORE IS DAMP & DETERIATED NEAR LOWER RADIATOR TANK. CUSTOMER BROUGHT OVER RADIATOR & AFTERCOOLER. TRANSFERRED COMPONENTS FROM OLD RAD. TO NEW. INSTALLED AFTERCOOLER WITH NEW MOUNTS, INSTALLED RADIATOR WITH NEW MOUNTING BUSHINGS & NEW RADIATOR HOSES.					
4	8T-4984		CLAMP	S5	47.24
13	7030-250		2 1/2 SILICONE/INCS5		27.17
			TOTAL PARTS	SEG. 13	74.41 *
			TOTAL LABOR	SEG. 13	182.00 *
1.00			RAD. GASKET		13.17
4.00			ATAAC MOUNTS		15.00
2.00			RAD. MOUNTS		83.50
			TOTAL MISC CHGS	SEG. 13	111.67 *

MINNESOTA
IOWA
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Invoice Number: SW080128906

Date: 5/22/15

Account No.: 0097460

Page: 7

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			SEGMENT 13 TOTAL		368.08 T

			INSPECT ENGINE OPT WARRANTY 4Y/UNLIMITED 48 MONTH UNLIMITED MILE OPT WARRANTY COVERAGE.		
				F/R MSC	3420.00 *
			SEGMENT 14 TOTAL		3420.00 T

			PURCHASE EXT. WARRANTY COVERAGE PURCHASED 24 MONTH COMPONENT PLUS EXTENDED SERVICE COVERAGE & RECIEVED 48 MONTH COVERAGE ON ENGINE OIL COOLER.		
1.00			COMPONENT COVERA		100.00
			TOTAL MISC CHGS	SEG. 15	100.00 *
			SEGMENT 15 TOTAL		100.00 T

			PROMOTION OPT OVERHAUL WARRANTY PROMOTION.		
1.00-			OPT PROMOTION		3420.00-
			TOTAL MISC CHGS	SEG. 90	3420.00-*
			SEGMENT 90 TOTAL		3420.00-T

			PROMOTION \$750.00 CREDIT FOR REPLAING ENGINE OIL COOLER PROMOTION.		
1.00-			\$750-PROMOTION		750.00-
			TOTAL MISC CHGS	SEG. 91	750.00-*
			SEGMENT 91 TOTAL		750.00-T

			PROMOTION LOYAL ZIEGLER CUSTOMER PROMOTION.		
1.00-			ZIEGLER PROMOTIO		1000.00-
			TOTAL MISC CHGS	SEG. 92	1000.00-*
			SEGMENT 92 TOTAL		1000.00-T

			SERVICE SUPPLIES AND ENVIRONMENTAL CHARGES		500.00 T
			*** INVOICE COPY *** DUE BY 10TH OF THE NEXT MONTH		
			INVOICE TOTAL		27,520.26