

Invoice Number: WZ31357

Page: 1

Date: 2/12/15

Account No.: [REDACTED]

Ship To:

## Invoice Information

WO Number: WZ31357  
WO Date: 10/27/14Store: [REDACTED]  
Payment Terms: CHARGE  
P/O Number:  
Ship Via:  
Invoice Type: 1H1H1HMake: CATERPILLAR  
Model: 3306C  
Serial: 09TL16497  
PIN:Id No:  
Cust Unit: 82

Meter: 332244.0

1997 Volvo  
w/64  
Triaxle

## Invoice Summary

Parts: [REDACTED]  
Labor: [REDACTED]  
Misc: [REDACTED]  
Taxes: [REDACTED]

Amount Due: \$19,647.83

Invoice Total: 19,647.83

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.

Account Number: [REDACTED]  
Invoice Number: WZ31357  
Invoice Date: 2/12/15

PROFORMA INVOICE

Amount Due:

\$19,647.83

Invoice Number: WZ31357

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Quantity	Item	Unit	Description	Unit Price	Extended
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\* \* \* PROFORMA INVOICE \* \* \*

COMPLETE PRE-SAFETY CHECK  
CUSTOMER COMPLAINT:  
SAFETY CHECK  
REPAIR PROCESS COMMENTS:  
SAFETY CHECK

SEGMENT AA TOTAL

## RECONDITION IN FRAME ENGINE

## \* STEAM CLEAN ENGINE

- \* INSTALL CAT REMAN CYLINDER PACKS
- \* INSTALL CAT REMAN CYLINDER HEAD
- \* DISASSEMBLE AND INSPECT OIL PUMP
- \* INSTALL NEW ROD AND MAIN BEARINGS
- \* INSTALL NEW CAT OIL AND FUEL FILTERS
- \* INSPECT AIR FILTER
- \* REMOVE, TEST AND INSTALL NOZZLES
- \* REPLACE COOLANT TEMPERATURE REGULATOR
- \* INSTALL NEW OIL UP TO 25 QTS.
- \* CHECK/ADJUST INJECTION PUMP TIMING
- \* ADJUST ALL GOVERNOR AND FARC SETTINGS
- \* DYNO TEST AFTER REBUILD
- \* CHECK/ADJUST ENGINE HIGH AND LOW IDLE
- \*\* ADDITIONAL CHARGE FOR JAKE BRAKE EQUIPPED ENGINE
- \*\* ADDITIONAL CHARGE FOR DIFFICULT ACCESS CHASSIS
- \*\* ADDITIONAL CHARGE FOR EXTENDED OPT OVERHAUL WARRANTY

## CUSTOMER COMPLAINT:

## INFRAME OVERHAUL

## REPAIR PROCESS COMMENTS:

STEAM OFF THE TRUCK. DISCONNECTED THE BATTERIES.  
DRAINED OUT THE COOLANT. DISCONNECTED ALL  
WIRES, HOSES, LINES AND TUBING. REMOVED THE SIDE  
AND TOP END COMPONENTS. PULLED OFF THE CYLINDER  
HEAD AND STRIPPED IT DOWN. DRAINED THE ENGINE  
OIL. DROPPED DOWN THE OIL PAN, PUMP AND SUMP.  
PULLED OUT THE LINER KITS. CLEANED THE CYLINDER  
BLOCK, INSIDE AND OUT. CLEANED ALL PARTS. CUT  
COUNTERBORES. ROLLED IN NEW MAIN BEARINGS, TORQUE  
AND TURN TO SPEC. INSTALLED 6 REMAN LINER KITS  
WITH NEW ROD BEARINGS, TORQUE AND TURNED TO  
SPEC. ASSEMBLED THE REMAN CYLINDER HEAD AND  
INSTALLED ONTO THE ENGINE - TORQUE TO SPEC.  
INSTALLED THE ROCKER SHAFT. SET THE VALVE LASH,  
INTAKE .015", EXHAUST .025". RESEAL AND INSTALLED  
THE VALVE COVER. PUT IN 6 REMAN NOZZLES. PUT ON  
THE SIDE AND TOP ENGINE COMPONENTS. HOOKED UP THE  
HOES, WIRES, LINES AND TUBING. REPLACED THE AIR  
FILTER AND HOLD DOWN NUTS. PUT UP A REMAN OIL  
PUMP. INSTALLED THE SUMP AND RESEALED OIL PAN.  
SPUN ON A NEW OIL AND BOTH FUEL FILTERS. PUT IN 9  
GALLONS OF CAT 15W-40 OIL. PUT ON A NEW ENGINE  
BREATHING. REPLACED BOTH COOLANT LINES, OLD ONES  
WERE WORN INTO EACH OTHER. SPUN ON A NEW COOLANT  
FILTER. PUT IN NEW COOLANT. STARTED AND RAN THE  
ENGINE. CHECKED ENGINE TIMING. FOUND IT AT 2.9\*.  
RESET TO 6\*. CHECKED THE FUEL SETTINGS. FOUND AT  
FLS 6.80 MM, FTS 6.97 MM SET TO SPEC FLS 6.59MM  
FTS 6.79MM. AFRC SETTING IS AT - 2.50MM. TAGGED  
THE GOVERNOR.



Inv

Quantity	Item	N/R	Description	Unit Price	Extended
* * * PROFORMA INVOICE * * *					
F/R P/L					
SEGMENT 11 TOTAL					
REPLACE WITH EXCHANGE WATER PUMP					
CUSTOMER COMPLAINT:					
INSTALL A REMAN WATER PUMP					
REPAIR PROCESS COMMENTS:					
REMOVED THE OLD WATER PUMP AND ADAPTER. CLEAN ALL					
PARTS. RESEAL AND INSTALLED A REMAN WATER PUMP					
AND ADAPTER. FOUND NO LEAKS ON REPAIR.					
1	0R-0997		PUMP GP WTR	S5	
1			CORE CHARGE	S5	
1-			CORE CREDIT	S5	
1	3S-9643		SEAL	S5	
1	7N-0944		GASKET	S5	
1	9N-3241		GASKET	S5	
1	J009606		SEALCLAMP	S5	
9	ANTIFREEZE		1GAL. ZEREX	S5	
F/R P/L					
SEGMENT 12 TOTAL					
REPLACE WITH EXCHANGE OIL PUMP DRIVE					
CUSTOMER COMPLAINT:					
INSTALL A REMAN OIL PUMP.					
REPAIR PROCESS COMMENTS:					
REMOVED THE OLD DRIVE GEAR FROM THE OLD OIL PUMP.					
REINSTALLED ONTO A REMAN OIL PUMP. INSTALLED NEW					
BEARING INTO IDLER GEAR FOR OIL PUMP.					
SEGMENT 14 TOTAL					
REPLACE WITH EXCHANGE TURBOCHARGER					
ENGINE IN FRAME					
CUSTOMER COMPLAINT:					
REPLACE TURBOCHARGER WITH A REMAN					
REPAIR PROCESS COMMENTS:					
REMOVED THE OLD TURBOCHARGER FROM THE EXHAUST					
MANIFOLD. RESEAL AND INSTALLED A REMAN					
TURBOCHARGER ONTO THE EXHAUST MANIFOLD WITH A NEW					
GASKET AND HARDWARE.					
1	0R-7213		TURBO GRP	N5	
1			CORE CHARGE	N5	
1-			CORE CREDIT	N5	
1	1S-4295		GASKET	S5	
4	2N-2766		LOCK NUT	S5	
2	4L-8337		SEAL	S5	
1	4M-6480		GASKET	S5	
2	5P-7128		BOLT	S5	
2	7L-3195		BOLT	S5	
1	8H-9788		GASKET	S5	
1	188-6126		GASKET	S5	
TOTAL PARTS				SEG.	
SEGMENT 16 TOTAL					

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Quantity	Item	NR	Description	Unit Price	Extended
*** PROFORMA INVOICE ***					
40 PSI AT HIGH .CHECKED FOR FULL THROTTLE - IT IS					
GETTING IT. RESET THE LOW IDLE FROM 600 RPM TO					
675 RPM. RAN THE ENGINE TILL OPERATING					
TEMPERATURE. FOUND THE FAN DOES NOT COME ON.					
REPLACED THE FAN TEMP SENDING UNIT. NOW THE FAN					
COMES ON AT 215°F AND OFF AT 200°F. FOUND NO					
LEAKS OR PROBLEMS WITH THE REPAIRS MADE AT THIS					
TIME.					
1	OR-2560		OIL PUMP	N	
1			CORE CHARGE	N	
1-			CORE CREDIT	N	
1	OR-4599		HEAD GP CYL	N	
1			CORE CHARGE	N	
1-			CORE CREDIT	N	
6	OR-4635		CYLINDER PAK	N	
6			CORE CHARGE	N	
6-			CORE CREDIT	N	
6	OR-8783		NOZZLE	S	
6			CORE CHARGE	S	
6-			CORE CREDIT	S	
3	OT-0065		CAP SCREW	S	
1	1L-5081		SPACER	N	
1	1R-0739		FILTER AS	S	
1	1R-0750		FILTER AS	S	
1	2D-6392		SEAL O RING	S	
4	2M-0849		WASHER	N	
16	2N-2766		LOCK NUT	S	
1	5F-3106		SEAL	S	
6	5M-2894		WASHER	S	
2	6D-2928		BOLT	N	
1	6I-2002		GASKET	S	
1	6I-2004		GASKET	S	
8	6V-1525		STUD	S	
1	6V-5894		BOLT	S	
12	7E-9758		SPRING	N	
1	8J-8343		SEAL	S	
1	8M-0904		GASKET	S	
1	8N-6680		SCREEN A	S	
4	9L-1658		STUD	S	
3	9Y-1979		GASKET	S	
2	100-3652		THRUST-PLATE	S	
1	164-2138		GASKET KIT	N	
1	175-2949		FILTER A	S	
1	196-9988		BEARING-SLEE	S	
7	232-3233		BEARING-MAIN	S	
1	247-7133		REGULATOR-TE	S	
6	328-5572		BEARING-ROD	S	

F/R ALL

SEGMENT 10 TOTAL

-----  
COUNTERBORE LINER SEAT/INSERT

\* CLEAN TOP DECK OF BLOCK AND REMOVE BURRS

\* INCLUDES PARTS AND LABOR TO CUT LINER

FLANGE AREA FOR LINER SEAT INSERTS

CUSTOMER COMPLAINT:

CUT ALL SIX COUNTERBORES

REPAIR PROCESS COMMENTS:

CUT COUNTERBORES FOR ALL OF THE CYLINDERS. CUT THE  
BLOCK TO .0295" FOR .030" INSERTS. CLEANED THE  
ENGINE OF DEBRIS.

6 104-5511

INSERT SEAT

N5



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Quantity	Item	N/R	Description	Unit Price	Extended
* * * PROFORMA INVOICE * * *					
REPLACE WITH EXCHANGE ENGINE OIL COOLER					
CUSTOMER COMPLAINT:					
INSTALL A REMAN OIL COOLER. RESEAL THE OIL FILTER					
BASE.					
REPAIR PROCESS COMMENTS:					
REMOVED THE OIL COOLER AND OIL FILTER BASE. TOOK					
APART THE OIL FILTER BASE. CLEAN ALL PARTS.					
ASSEMBLED THE OIL FILTER BASE. RESEAL AND					
INSTALLED THE OIL FILTER BASE AND A REMAN OIL					
COOLER. FOUND NO LEAKS ON THE REPAIRS MADE.					
1	OR-3501		CORE A OIL	N5	
1			CORE CHARGE	N5	
1-			CORE CREDIT	N5	
2	8T-4984		CLAMP	S5	
1	131-6645		HOSE	S5	

F/R P/L

1.00

4YR ESC OIL COOL

SEGMENT 18 TOTAL

REPLACE AIR COMPRESSOR

CUSTOMER COMPLAINT:

INSTALL A REMAN AIR COMPRESSOR

REPAIR PROCESS COMMENTS:

REMOVED THE OLD AIR COMPRESSOR. SWAPPED OVER THE

FITTINGS AND PARTS. RESEALED AND INSTALLED A

REMAN AIR COMPRESSOR. REPLACED ALL OF THE HOSES

AND HOOKED THEM UP. FOUND NO LEAKS ON THE

REPAIRS MADE.

1	OR-3404	COMPRESR GP	N5
1		CORE CHARGE	N5
1-		CORE CREDIT	N5
1	OS-1589	CAP SCREW	S5
1	8M-7065	GASKET	S5
1	9L-5452	HOSE A	N5
1	9L-5810	HOSE A	N5
1	9N-3040	HOSE A	N5

TOTAL PARTS

SEG. 19

F/R LBR

SEGMENT 19 TOTAL

PROMOTION

CUSTOMER COMPLAINT:

RECEIVE \$750 CREDIT FOR AIR COMPRESSOR PURCHASED

DURING OPT OVERHAUL

REPAIR PROCESS COMMENTS:

RECEIVE \$750 CREDIT FOR AIR COMPRESSOR PURCHASED

DURING OPT OVERHAUL.

1.00-

AIR COMP PROMO

TOTAL MISC CHGS

SEG. 20

SEGMENT 20 TOTAL

REMOVE &amp; INSTALL CRANKSHAFT FRONT SEAL

Invoice

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Quantity	Item	NTR	Description	Unit Price	Extended
* * * PROFORMA INVOICE * * *					
THE OIL MANIFOLD. CLEAN ALL PARTS. RESEALED AND					
INSTALLED THE OIL MANIFOLD. PUT ON COMPONENTS.					
FOUND NO LEAKS ON THE REPAIR MADE.					
1	2P-1692		SEAL-O-RING	S5	
1	3J-7354		SEAL O RING	S5	
1	5P-6620		SEAL O RING	S5	
2	5P-6718		SEAL-O-RING	S5	
1	8C-3793		BOLT	N5	
2	8M-5248		SEAL O RIN	S5	
1	8M-8515		SEAL O RING	S5	
1	140-6135		GASKET KIT	N5	
4	161-1033		SPRING-GUIDE	S5	

TOTAL PARTS SEG. 24

TOTAL LABOR SEG. 24

SEGMENT 24 TOTAL

## CUSTOMER COMPLAINT:

## EXTRAS

## EXTRAS

## REPAIR PROCESS COMMENTS:

REPLACED THE BREATHER. PUT ON 2 NEW SECTIONS OF COOLANT HOSE. PUT IN A NEW AIR FILTER AND HOLD DOWN NUTS FOR THE HOUSING. PUT IN NEW COOLANT AND SPUN ON A NEW COOLANT FILTER ELEMENT. INSTALLED A NEW OEM COOLANT TEMP SENDER AND CHECKED THE FAN OPERATION = ALL OK. INSTALLED A NEW WATER PUMP INLET AND A NEW 90 DEGREE RUBBER ELBOW FOR THE INLET. FOUND THE FLAME START IS NOT OPERATING. NEED TO REPLACE THE SPARK PLUG AND CONTROL MODULE. ORDERED PARTS AND THEY ARE ON A SEPERATE WORK ORDER AND THE CUSTOMER WILL COME IN AT A LATER DATE FOR REPAIR.

1	8S-0248	BREATHER A	S5
1	111-2369	ELEMENT AS	S5

TOTAL PARTS SEG. 26

TOTAL LABOR SEG. 26

2.00  
1.00  
1.00  
6.00  
1.00  
1.00

TBOLT CLAMP  
FILTER AIR  
TEMP SENDER  
AIR CLEANER NUTS  
WATER PUMP INLET  
REDUCING ELBOW

TOTAL MISC CHGS SEG. 26

SEGMENT 26 TOTAL

## INSPECT ENGINE

OPT WARRANTY 3Y/UNLIMITED

## CUSTOMER COMPLAINT:

3 YEAR OPT WARRANTY

## REPAIR PROCESS COMMENTS:

INSPECT ENGINE FOR THE 3 YEAR OPT WARRANTY.

F/R MSC

SEGMENT 28 TOTAL



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Quantity	Item	NR	Description	Unit Price	Extended
* * * PROFORMA INVOICE * * *					
REPAIR PROCESS COMMENTS: REMOVED THE FRONT CRANKSHAFT PULLEY. FOUND THE FRONT MOUNT IS MISSING A LOT OF BOLTS AND THE ENGINE HAS SHIFTED. LIFTED UP THE ENGINE. REMOVED THE FRONT ENGINE MOUNT, FRONT SEAL ADAPTER PLATE AND FRONT SEAL. CLEAN ALL PARTS. RESEALED AND INSTALLED THE ADAPTER PLATE AND A NEW FRONT SEAL. INSTALLED THE FRONT MOUNT WITH NEW HARDWARE. PUT ON THE FRONT CRANKSHAFT PULLEY. FOUND NO LEAKS ON THE REPAIRS MADE.					
1	9Y-9895		SEAL GP CRAN	S5	
1	033-5879		RING	S5	
TOTAL PARTS				F/R P/L	
SEGMENT 22 TOTAL					T
-----					
RESEAL STEERING SYSTEM PUMP					
CUSTOMER COMPLAINT: RESEAL POWER STEERING PUMP AND ADAPTER PLATE. REPLACE POWER STEERING HOSES.					
REPAIR PROCESS COMMENTS: REMOVED THE OLD POWER STEERING HOSES, WERE HARD AND BRITTLE. TOOK OFF THE POWER STEERING PUMP AND ADAPTER PLATE. CLEANED ALL PARTS. RESEALED AND INSTALLED THE POWER STEERING PUMP AND ADAPTER PLATE ONTO THE ENGINE. MADE NEW POWER STEERING LINES AND HOSES. ROUTED THE HOSES AND INSTALLED THEM. FILLED THE SYSTEM WITH 2 GALLONS OF DEXRON 3 FLUID. FOUND NO LEAKS ON THE REPAIRS MADE.					
2	1B-2886		BOLT	S5	
1	1W-4506		ADAPTER	S5	
244	6V-8843		CM-HOSE STK	S5	
1	8H-2046		SEAL-O-RING	S5	
300	8T-9543		CM HOSE STK	S5	
31	122-6870		L/M HOSE-IN	S5	
32	122-6906		L/M HOSE-IN	S5	
1	124-1961		COUPLING	S5	
1	124-2007		COUPLING	S5	
1	146-3109		GASKET KIT	N5	
1	187-3255		GASKET KIT	N5	
1	231-3578		HOSE	S5	
1	252-9685		GASKET	S5	
23	2556-10		HOSE-IN	S5	
TOTAL PARTS				SEG. 23	*
TOTAL LABOR				SEG. 23	*
3.00	7/8" PS HOSE				
1.00	HOSE BUILD LABOR				
TOTAL MISC CHGS				SEG. 23	*
SEGMENT 23 TOTAL					T
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RESEAL FUEL INJECTION PUMP MANIFOLD					
CUSTOMER COMPLAINT: RESEAL FUEL INJECTION PUMP OIL MANIFOLD					
REPAIR PROCESS COMMENTS: REMOVED THE PRIMING PUMP AND BOLTS. DROPPED DOWN					

\* \* \* PROFORMA INVOICE \* \* \*

F/R P/L

SEGMENT 11 TOTAL

REPLACE WITH EXCHANGE WATER PUMP  
 CUSTOMER COMPLAINT:  
 INSTALL A REMAN WATER PUMP  
 REPAIR PROCESS COMMENTS:  
 REMOVED THE OLD WATER PUMP AND ADAPTER. CLEAN ALL  
 PARTS. RESEAL AND INSTALLED A REMAN WATER PUMP  
 AND ADAPTER. FOUND NO LEAKS ON REPAIR.

1	0R-0997	PUMP GP WTR	S5
1		CORE CHARGE	S5
1-		CORE CREDIT	S5
1	3S-9643	SEAL	S5
1	7N-0944	GASKET	S5
1	9N-3241	GASKET	S5
1	J009606	SEALCLAMP	S5
9	ANTIFREEZE	1GAL. ZEREX	S5

F/R P/L

SEGMENT 12 TOTAL

REPLACE WITH EXCHANGE OIL PUMP DRIVE  
 CUSTOMER COMPLAINT:  
 INSTALL A REMAN OIL PUMP.  
 REPAIR PROCESS COMMENTS:  
 REMOVED THE OLD DRIVE GEAR FROM THE OLD OIL PUMP.  
 REINSTALLED ONTO A REMAN OIL PUMP. INSTALLED NEW  
 BEARING INTO IDLER GEAR FOR OIL PUMP.

SEGMENT 14 TOTAL

REPLACE WITH EXCHANGE TURBOCHARGER  
 ENGINE IN FRAME  
 CUSTOMER COMPLAINT:  
 REPLACE TURBOCHARGER WITH A REMAN  
 REPAIR PROCESS COMMENTS:  
 REMOVED THE OLD TURBOCHARGER FROM THE EXHAUST  
 MANIFOLD. RESEAL AND INSTALLED A REMAN  
 TURBOCHARGER ONTO THE EXHAUST MANIFOLD WITH A NEW  
 GASKET AND HARDWARE.

1	0R-7213	TURBO GRP	N5
1		CORE CHARGE	N5
1-		CORE CREDIT	N5
1	1S-4295	GASKET	S5
4	2N-2766	LOCK NUT	S5
2	4L-8337	SEAL	S5
1	4M-6480	GASKET	S5
2	5P-7128	BOLT	S5
2	7L-3195	BOLT	S5
1	8H-9788	GASKET	S5
1	188-6126	GASKET	S5

TOTAL PARTS

SEG. 1

SEGMENT 16 TOTAL



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\* \* \* PROFORMA INVOICE \* \* \*

PROMOTION

CUSTOMER COMPLAINT:  
FREE 3 YEAR/ UNLIMITED MILEAGE OPT WARRANTY  
REPAIR PROCESS COMMENTS:  
FREE 3 YEAR/UNLIMITED MILEAGE OPT WARRANTY  
1.00- FREE 3YR OPT

TOTAL MISC CHGS SEG. 29

SEGMENT 29 TOTAL

SERVICE SUPPLIES AND  
ENVIRONMENTAL CHARGES

MN SALES TAX [REDACTED]

TRANSIT TAX [REDACTED]

INVOICE TOTAL

19,647.83