

Hrs on machine when Engine Replaced
4439 hrs.

#3056

: 1

Ship To

Invoice Information

WO Number:
WO Date: 1/06/20

Store:
Payment Terms:
P/O Number: 16808
Ship Via:
Invoice Type: 101010

Make: CATERPILLAR
Model: 289DR
Serial: 0TAW00610
PIN:
Id No:
Cust Unit:
Motor: 4439.0

Invoice Summary

Parts:
Labor:
Misc:
Taxes:

Amount Due: \$19,298.65

Invoice Total: 1

Invoice Date: 1/21/20

Amount Due:

\$19,298.65

Amount Enclosed:

Invoice Number

Date: 1/21/20

2

Quantity	Item	N/R	Description	Unit Price	Extended
INSPECT ENGINE INSPECT ENGINE CARRIED MACHINE INTO SHOP. ATTEMPTED TO TURN ENGINE MANUALLY, WILL NOT TURN. REMOVED GLOW PLUGS AND TURNED ENGINE, OIL IN CYLINDERS. REMOVED OIL FROM CYLINDERS, COMPRESSION TEST. CYLINDERS 1 & 2 200-210 PSI, CYLINDERS 3 & 4 410-425 PSI. TURBO SEALS FAILED, PUMPED ENGINE OIL INTO CYLINDERS, BENT CONNECTING RODS, FILLED DPF. ESTIMATED ENGINE REPLACEMENT, CUSTOMER APPROVED, SEE SEGMENT 02.					
F/R LBR					
SEGMENT 01 TOTAL					
REMOVE & INSTALL ENGINE REPLACE ENGINE DRAINED COOLANT, RAISED CAB, DISCONNECTED HYSTAT PUMP FROM ENGINE. REMOVED GRILL AND COOLING PACK. DISCONNECTED ALL NECESSARY HOSES AND WIRING. REMOVED ENGINE ASSEMBLY. TRANSFERRED REAR HOUSING AND WIRING HARNESS TO NEW ENGINE. INSTALLED NEW HARNESS TO CRANKCASE VENTILATION HEATERS - NOT ON OLD ENGINE. COUPLING WORN EXCESSIVELY, REPLACED. HYSTAT INPUT SHAFT SEAL LEAKING, REPLACED. GRILL LATCH BROKEN, REPLACED. CAB MOUNT NUTS DAMAGED, REPLACED. COOLING FAN SOLENOID CONNECTION WAS NOT CONNECTED, HANGING ON EXHAUST AND MELTED, REPLACED. REPLACED AIR AND FUEL FILTERS. ADVISE CUSTOMER FUEL IS CONTAMINATED, CHECK SOURCE. A/C V-BELT WORN, REPLACED. BATTERY CABLES DAMAGED, REPLACED. INSTALLED NEW ENGINE. FILLED ENGINE OIL AND COOLANT. HOOKUP CAT ET, CLEARED ALL CODES AND FLASHED MACHINE ECM WITH MOST CURRENT SOFTWARE. REMOVED RIGHT INSTRUMENT PANEL AND FLASHED ADVANCED DISPLAY WITH MOST CURRENT SOFTWARE. RETEST, OPERATE MACHINE, ALL OKAY. TRAVIS C. PERFORMED QUALITY CONTROL INSPECTION. NEW ENGINE SERIAL #8KU8984.					
4	1M-6120		NUT	S5	
2	3T-3349		STUD BOLT	S5	
1	4P-7581		CLIP	S5	
4	5P-4116		WASHER	S5	
2	6V-9746		SEAL-O-RING-	S5	
2	7J-9108		SEAL	S5	
2	8T-4778		LOCKNUT	S5	
2	8Y-5947		FASTENER	S5	
2	9X-3402		SOCKET	S5	
1	110-2570		CAP	N5	
1	110-6326		MAIN ELEMENT	S5	
1	110-6331		ELEMENT	S5	
2	135-7242		SCREW	S5	
1	155-2270		PLUG KIT	S5	
1	198-8354		V-BELT	S5	
1	278-8736		KIT-SEAL	S5	
6	342-9922		BOLT-FLANGE	S5	
1	345-3540		LATCH AS	S5	
1	345-3548		COUPLING	S5	
1	345-3550		ENGINE AR-PR	S5	
1	345-3579		GASKET-EXHAU	S5	
1	361-6387		CABLE AS-GRO	N5	
1	361-6388		CABLE AS-POW	S5	

Date: 1/21/20

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Quantity	Item	N/R	Description	Unit Price	Extended
1	362-0154		BOLT-FLANGE	N5	
1	363-5819		ELEMENT AS-F	S5	
1	416-5884		FILTER AS	S5	
1	471-9474		HARNESS AS	N5	
3	4942960		CAT DEO SYN 0W40	S5	
			TOTAL PARTS	SEG. 02	
			TOTAL LABOR	SEG. 02	
3.00			CAT ELC GAL		
			TOTAL MISC CHGS	SEG. 02	
			SEGMENT 02 TOTAL		

			SERVICE SUPPLIES AND ENVIRONMENTAL CHARGES		
			IA 6% TAX LBR & MISC		
			IA LO LABOR POLK		
			IA 5% TAX PARTS		
			DUE BY 10TH OF THE NEXT MONTH		
			INVOICE TOTAL		19,298.65