

Invoice Date
07-31-19
Amount
34,764.81

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER PURCHASE ORDER NUMBER			STORE	DIV	SALESMAN	TERMS	PAGE
	07-31-19									
PSO/WO. NO.	DOC. DATE	PC	LC	MC	SHIP VIA				INV. SEQ. NUMBER	
1058811	01-16-19	1G	1G	1G						
MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER		METER READING		MACH ID NO	
AA	816F	*CAT0816EV5FN06632*			2411		7014.0		1GN177	
QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE		EXTENSION		

CUSTOMER STATES THAT THE MACHINE IS NOT WANTING TO MOVE.

TRAVEL TO/FROM MACHINE

COMPLAINT: TRAVEL TO/FROM MACHINE

CAUSE: TROUBLESHOOT/REPAIR

CORRECTION: TRAVELED TO/FROM MACHINE TO

TROUBLESHOOT

PLD TRAVEL TIME
TOTAL LABOR SEG. 01
SEGMENT 01 TOTAL

TROUBLESHOOT MACHINE

COMPLAINT: MACHINE WILL NOT MOVE

CAUSE: TRANSMISSION PUMP PICKUP TUBE IS RESTRICTED
DUE TO DAMAGE CAUSING THE PUMP TO CAVITATE/NOT
FLOW ENOUGH OIL.

CORRECTION: CUSTOMER STATED THAT STEEL LINE WAS
DENTED ~50% ON THE SIDE OF THE TRANSMISSION, AND
THAT IT WOULD MAKE WHINING NOISES. INSTALLED
PRESSURE TAP TO TEST PUMP PRESSURE. MACHINE HAD
45PSI PUMP PRESSURE, SPEC IS 310-400PSI. CRAWLED
UNDER MACHINE AND OBSERVED TRANSMISSION PUMP
PICKUP TUBE RESTRICTED DUE TO DAMAGE. DUE TO PUMP
BEING LOCATED AT TOP OF TRANSMISSION AND DRAWING
FROM THE BOTTOM, THE RESTRICTION IS CAUSING LOW
FLOW/CAVITATION OF THE PUMP. LINE NEEDS REPLACED.
CONTACTED PARTS TO GET A QUOTE EMAILED TO CUSTOMER
FOR NEXT DAY AIR DELIVERY OF PARTS.

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MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER	METER READING	MACH ID NO	
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QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE	EXTENSION	

FIELD LABOR
TOTAL LABOR SEG. 02
SEGMENT 02 TOTAL

TIGHTEN

LINE(S)

COMPLAINT: MACHINE WONT MOVE

CAUSE: NO OIL. DAMAGED LINE LEAKING. MISSING BELLY PAN.

CORRECTION: TIGHTENED LINE BUT NOTED THE DAMAGE AND REPORTED TO THE CUSTOMER. STARTED CUTTING DEBRIS OFF OF THE DRIVE LINE.

3	7X-0345	BOLT	S
2	7X-0346	BOLT	S
5	8T-4122	WASHER	S
85	9X-2377	IN HOSE STK	S
1	9X-3830	COUPLING	S
1	9X-3868	COUPLING	S

TOTAL PARTS SEG. 03
FIELD LABOR
TOTAL LABOR SEG. 03
SEGMENT 03 TOTAL

REPAIR TRANSMISSION

SUPPLY LINE

COMPLAINT: TRANS SUCTION LINE CRUSHED.

CAUSE: LOSS OF THE BELLYPAN UNDER THE MACHINE AND IMPACT WITH DEBRIS

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MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER	METER READING	MACH ID. NO.	
AA	816F	*CAT0816FV5FN00632*			2411	7014.0	1GN177	
QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE	EXTENSION	

COMPLICATION: CUSTOMER ORDERED PARTS
CORRECTION: CLEANED AREA. REMOVED TRANSMISSION
COOLER LINES FOR ACCESS. REMOVED THE OLD LINE AND
INSTALLED NEW. INSTALLED COOLER LINES AND TESTED
OPERATION FOUND THAT THE MACHINE NOW HAD OLD TO
THE PUMP BUT WAS ONLY PUTTING OUT 50PSI.

F/R LBR

SEGMENT 04 TOTAL

REMOVE & INSTALL CAB

COMPLAINT: CAB NEEDS REMOVED FOR ACCESS.
CAUSE: DEFECT IN TRANSMISSION.
CORRECTION: REMOVED GUARDS. DISCONNECTED WIRING
AND REMOVED VALVES FROM THE CAB. REMOVED CAB MOUNT
BOLTS. SET CAB TO THE SIDE.
INSTALLED CAB AND MOUNTING BOLTS. CONNECTED
STEERING, PILOT AND BRAKE VALVE. CONNECTED WIRING.
INSTALLED GUARDS.

1		CORE DEPOSIT	S
-1		CORE CREDIT	N
1	1R-0719	ELEMENT A	S
2	2H-6338	SEAL	S
1	2S-8439	SEAL O RING	S
3	4J-0520	SEAL-O-RING	S
3	4J-0522	SEAL-O-RING	S
1	10R-3424	PUMP GP GEAR	N
1		CORE DEPOSIT	N
-1	10R-3424	PUMP GP GEAR	N

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PSO/WO. NO.		DOC. DATE	PC	LC	MC	SHIP VIA				INV. SEQ. NUMBER	
		01-16-19	1G	1G	1G					1301726	
MAKE		MODEL	SERIAL NUMBER				EQUIPMENT NUMBER		METER READING		MACH ID NO
AA		816F	*CAT0816FV5FN00632*				2411		7014.0		1GN177
QUANTITY	ITEM		N/N	DESCRIPTION				UNIT PRICE		EXTENSION	

-1			CORE CREDIT	N					
2	175-7904		SEAL-O-RING	S					
1	203-6972		HOSE AS.	N					
			TOTAL PARTS		SEG. 05				
			FIELD LABOR						
			TOTAL LABOR		SEG. 05				
1			EXPEDITE CHRG						
			TOTAL MISC CHGS		SEG. 05				
			SEGMENT 05 TOTAL						

REMOVE & INSTALL TRANSMISSION

COMPLAINT: MACHINE WILL NOT MOVE
 CAUSE: DEFECT IN TRANSMISSION CAUSED BY NO OIL
 PRESSURE TO LUBE CIRCUITS. SEE SEGMENT 04
 CORRECTION: REMOVED THE FIREWALL ASSEMBLY. BLOCKED
 THE ENGINE UP AND REMOVED THE DRIVE LINES AND THE
 TRANSMISSION MOUNTS. REMOVED LINES FOR CLEARANCE.
 REMOVED FLYWHEEL HOUSING BOLTS. REMOVED
 TRANSMISSION.
 CLEANED MATING SURFACES. INSTALLED TRANSMISSION
 CONNECTED MOUNTS AND DRIVE SHAFTS. CONNECTED LINES
 AND WIRING. REINSTALLED FIREWALL AND CAB. FILLED
 HYDRAULIC AND TRANSMISSION OIL. TESTED OPERATION.

1	2487521	TDTC-30W 1G	S
4	3096931	HYDC-10W 5G	S
3	3096932	HYDC-10W 1G	S

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MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER		METER READING		MACH ID. NO	
AA	816F	*CAT0816FV5FN00632*			2411		7014.0		1GN177	
QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE		EXTENSION		
3	8T9572		TDTO-30W 5G			S				
1	8T9576		TDTO-50W 5G			S				
3	1A-2029		CAPSCREW			S				
2	1P-3707		SEAL			S				
1	1R-0719		ELEMENT A			S				
4	2H-6338		SEAL			S				
1	2S-8439		SEAL O RING			S				
1	3B-6552		ELBOW-PIPE			S				
5	4J-0520		SEAL-O-RING			S				
2	4J-0522		SEAL-O-RING			S				
6	4J-5267		SEAL-O-RING			S				
1	4K-5537		GASKET			N				
5	4L-6454		BOLT			S				
3	5M-2894		WASHER			S				
3	5P-2228		BOLT			S				
7	5S-7382		BOLT			S				
2	5S-7383		BOLT			S				
1	6V-0852		CAP			S				
15	6V-8397		SEAL			S				
4	6V-8398		SEAL O RING			S				
5	6V-8801		NUT			S				
2	7X-0313		BOLT			S				
7	7X-0345		BOLT			S				
3	7X-0346		BOLT			S				
6	7X-0448		NUT			S				
13	7X-0515		WASHER			S				
1	8T-3613		NIPPLE A			S				
7	8T-4121		WASHER-HARD			S				

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PSO/VO. NO.	DOC. DATE	PC	LC	MC	SHIP VIA				INV. SEQ. NUMBER	
	01-16-19	1G	1G	1G					1301726	
MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER			METER READING		MACH. D. NO.
AA	816F	*CAT0816FV5FN00632*			2411			7014.0		1GN177
QUANTITY	ITEM	N/R	DESCRIPTION				UNIT PRICE		EXTENSION	

10	8T-4133		NUT	S	
3	8T-4222		WASHER	S	
3	8T-4223		WASHER	S	
22	8T-4896		WASHER	S	
4	8T-5360		WASHER	S	
2	8T-8916		BOLT	S	
2	8T-9377		BOLT	S	
6	8T-9393		BOLT	S	
1	175-7904		SEAL-O-RING	S	
1	178-2491		PIN AS.	S	

TOTAL PARTS SEG. 06

FIELD LABOR

TOTAL LABOR SEG. 06

SEGMENT 06 TOTAL

RECONDITION TRANS, TC & TRF GEARS

COMPLAINT: RECONDITION TRANS, TC & TRF GEARS

CAUSE: THE SCREENED MODULATION ORIFICE IN THE
PRESSURE CONTROL VALVE WAS PLUGGED WITH DEBRIS.

THE LANDFILL DEBRIS ENTERED THE TRANSMISSION
THROUGH THE REAR OUTPUT SHAFT I/P SEAL.

CORRECTION: THE MACHINE WON'T MOVE. WORN OR

DAMAGED PARTS: THE FRONT OUTPUT YOKE, BEARING

RETAINER AND THE TRANSMISSION BEARINGS WERE

DAMAGED BY THE DEBRIS. THERE WAS A HIGH AMOUNT OF

DEBRIS THAT HAD ENTERED THE TRANSMISSION CAUSING

CONTAMINATION THROUGHOUT THE COMPONENT. THE

SOLENOID VALVE HAD DEBRIS IN THEM. THE

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	01-16-19	1G	1G	1G				
MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER	METER READING	MACH ID. NO	
AA	816F	*CAT0816FV5FN00632*			2411	7014.0	1GN177	
QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE	EXTENSION	

TRANSMISSION OIL PUMP HAD DAMAGE TO BOTH END COVERS AND ONE GEAR. THE #2 CLUTCH DISCS AND PLATES HAD SLIPPAGE DAMAGE. CORRECTIVE ACTIONS: INSTALLED ALL NEW (OR REMAN) PARTS THAT ARE LISTED ABOVE AS WORN OR DAMAGED. COMPLETELY DISASSEMBLED THE TRANSMISSION TO CLEAN UP THE DEBRIS. INSTALLED ALL NEW BEARINGS, SEALS, SOLENOID VALVES, SPEED SENSOR AND TEST FITTINGS. A TRASH GUARD WAS FABRICATED TO REDUCE THE POSSIBILITY OF DEBRIS ENTRY AROUND THE REAR OUTPUT YOKE. TESTED THE TRANSMISSION.

3	0R-4585		PLATE CLUTCH	S
3			CORE DEPOSIT	S
-3			CORE CREDIT	S
6	0S-1608		CAP SCREW	S
1	3D-8317		RING	S
1	3P-8485		RING RETAINI	S
-1	3P-8485		RING RETAINI	S
1	4S-8598		SCREEN	S
25	5M-2894		WASHER	S
3	5P-6261		RING	S
4	6V-3965		NIPPLE A	S
1	7M-8485		SEAL	S
1	8P-2155		SPACER	S
2	8T-0358		BOLT	S
1	9G-5127		BREATHHER	S
4	9P-7390		DISC A	S
2	9P-7766		SHIM PACK	N

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AA	816F	*CAT0816FV5FNC0632*			2411	7014.0	1GN177	
QUANTITY	ITEM	*N/R	DESCRIPTION			UNIT PRICE	EXTENSION	

12	9S-1018		WASHER	S
1	035-3360		RING	S
1	077-3241		O-RING	S
1	10R-3424		PUMP GP GEAR	N
1			CORE DEPOSIT	N
-1			CORE CREDIT	N
1	138-1509		DRAIN A.	N
1	158-1439		GASKET KIT	N
2	193-2200		SEAL-LIP TYP	S
-2	193-2200		SEAL-LIP TYP	S
1	194-5219		BEARING KIT	N
1	222-9874		RETAINER-BEA	N
1	222-9875		CAGE-BEARING	N
1	238-5507		PLUG AS.	S
2	265-3930		RETAINER	N
1	318-1181		SENSOR GP	S
1	368-5063		TUBE AS.-MAG	S
1	486-2947		YOKE AS-HALF	N
6	524-2035		VALVE GP-SOL	N

TOTAL PARTS SEG. 07
F/R LBR

2 EXPEDITE CHRG

1 UPS GROUND

TOTAL MISC CHGS SEG. 07

SEGMENT 07 TOTAL

REMOVE & INSTALL TC/TRANS OIL COOLER
COMPLAINT: COOLER NEEDS CHANGED.

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QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE	EXTENSION	

CAUSE: FAILURE IN THE TRANSMISSTON.

CORRECTION: DRAINED COOLANT. REMOVED THE LINES AND

REMOVED THE CORE. TRANSFERRED THE END PLATE.

INSTALLED COOLER AND LINES. REFILLED COOLANT

1	OR-8402	OIL COOLER	S
1		CORE DEPOSIT	S
-1		CORE CREDIT	S
3	1P-3704	SEAL	S
2	2S-0795	GASKET	S
1	3H-1461	RING	S
2	8B-4967	SEAL	S
6	238-8648	COOLANT-ELC	S

DISCOUNT 10.00%

TOTAL PARTS SEG. 08

FIELD LABOR

TOTAL LABOR SEG. 08

SEGMENT 08 TOTAL

REPAIR DIFFERENTIAL

RETAINER

COMPLAINT: WIRE WRAPPED AROUND DRIVE SHAFT INTO SEAL.

CAUSE: LOSS OF THE BELLY PAN AND DEBRIS WRAPPING IN THE DRIVE SHAFT.

CORRECTION: REMOVED YOKE AND FOUND WIRE WRAPPED AND PUSHING THE SEAL BACK INTO THE BEARINGS.

REMOVED THE RETAINER AND FOUND THE WIRE HAD DAMAGED THE SEAL SURFACE OF THE RETAINER AND THE

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YOKE. REMOVED ALL DEBRIS AND CLEANED. INSTALLED

NEW YOKE AND RETAINER.

6	6V-7732	BOLT	S	
6	9X-2027	WASHER	S	
1	123-4003	SEAL-LIP TYP	S	
1	300-2589	RETAINER-YM	N	
1	319-3479	YOKE-YM	N	
		TOTAL PARTS	SEG. 09	
		FIELD LABOR		
		TOTAL LABOR	SEG. 09	
1		EXPEDITE CHRG		
		TOTAL MISC CHGS	SEG. 09	
		SEGMENT 09 TOTAL		

TOTAL PARTS DISCOUNT

10% OFF CAT COOLANT. SOME EXCLUSIONS MAY APPLY. OFFER VALID JULY 1 - 31.

THANK YOU FOR YOUR BUSINESS

PAY THIS AMOUNT	34,764.81	USD
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