

INVOICE DATE		CUSTOMER ORDER NUMBER		STORE	DIV.	SALESMAN	TERIAS	PAGE
01-21-22				15	G	909	2	1
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10-28-21	10	10	10			2		
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING	MACH. I.D. NUMBER		
AA	D6NXL	OPER00496			5215.0			
QUANTITY	ITEM	N/R	DESCRIPTION	UNIT PRICE	EXTENSION			

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

CUSTOMER AGENT: XXXXXXXXXX

WASH MACHINE

WASHED MACHINE BEFORE AND AFTER REPAIR.

F/R LBR

SEGMENT 00 TOTAL

#### TROUBLESHOOT ENGINE

COMPLAINT: TROUBLESHOOT ENGINE, LOTS OF BLOWBY  
 CAUSE: CUSTOMER STATES DIPSTICK IS BLOWING OUT  
 CORRECTION: BROUGHT MACHINE INTO SHOP RAN TO CHECK  
 BLOW BY. WITH DIPSTICK REMOVED USING A LIGHT THERE  
 IS EXCESSIVE BLOW BY AND SMOKE COMING FROM TUBE  
 EVEN WITH OIL FILL CAP OFF. TOOK VIDEO OF SMOKE.  
 CHECKED AIR CLEANER HAD SLIGHT AMOUNT OF DUST IN  
 TUBE GOING TO TURBO. CHECKED CRANKCASE FILTER HAD  
 SOME RESIDUE ON INSIDE OF HOUSING. CHECKED ALL  
 INLET AIR TUBES AND CLAMPS EVERYTHING CHECKED TO  
 BE OKAY HOSES ARE IN GOOD CONDITION ALL CLAMPS  
 WERE TIGHT. TOOK SOS SAMPLE OF ENGINE OIL. PULLED  
 AIR TUBES OFF OF AIR COOLER IN ORDER TO USE A BORE  
 SCOPE AND CHECK FOR ANY DEBRIS INSIDE THE COOLER.

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AA	D6NXL	OPER00496				5215.0		
QUANTITY	ITEM	N/R	DESCRIPTION		UNIT PRICE		EXTENSION	

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

REMOVED AIR TUBES FROM TURBO TO INSPECT THE TURBO FINS FOR ANY PITTING DUE TO CONTAMINATION. RAN CYLINDER CUT OUT TEST. RAN A DATA LOG FOR ENGINE PRESSURES AND AIR RESTRICTION. AFTER RUNNING TEST LOOKED FOR ANY FURTHER IDEAS ON TROUBLESHOOTING THE ENGINE. RE INSPECTED RUBBER TUBES FOR DAMAGE. PERFORMED BLOW BY TEST USING THE BLOW BY INDICATOR TOOLING. BLOW BY INDICATOR WAS READING 470 FT3/HR. THE MAX BLOW BY FOR 6.6 ENGINE IS 180.

SEGMENT 02 TOTAL

REMOVE & INSTALL BOTTOM GUARD

COMPLAINT: REMOVE BOTTOM GUARD

CAUSE: TROUBLESHOOTING ENGINE

CORRECTION: TRACKED MACHINE INTO SHOP LOTO.

RETRIEVED PSR FROM MACHINE. USED JACK IN ORDER TO SUPPORT THE WEIGHT OF THE BELLY PANS IN ORDER TO REMOVE THE BOLTS AND REMOVED THE FRONT AND MIDDLE BOTTOM GUARDS OUT FROM UNDER THE ENGINE. REMOVED THE ENGINE SIDE PANELS ON BOTH SIDES IN ORDER TO ACCESS ENGINE BETTER FOR TROUBLESHOOTING AND WASHING. TOOK BELLY PANS TO WASH RACK AND WASHED

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MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER		METER READING	MACH. I.D. NUMBER	
AA	D6NXL	OPER00496					5215.0		
QUANTITY	ITEM	NIR	DESCRIPTION			UNIT PRICE		EXTENSION	

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

DIRT OFF. USED TRANSMISSION JACK AND REINSTALLED THE BELLY PANS UNDER MACHINE MAKING SURE ALL BOLTS WERE TIGHT. USED CRANE AND REINSTALLED ROPS ONTO THE MACHINE AND MADE SURE ALL BOLTS AND NUTS WERE TIGHT.

SEGMENT 04 TOTAL

F/R LBR

TEST ENGINE  
CYLINDER COMPRESSION

COMPLAINT: COMPRESSION TEST ALL CYLINDER  
CAUSE: EXCESSIVE BLOW-BY  
CORRECTION: REMOVED THE NRS INDUCTION MIXER FROM ENGINE AND INTAKE ELBOW IN ORDER TO GAIN ACCESS TO THE GLOW PLUGS. REMOVED BUS BAR FROM GLOW PLUGS. REMOVED GLOW PLUGS ONE AT A TIME AND DISABLED INJECTION IN ORDER TO COMPRESSION TEST. INSERTED PROPER TOOLING IN ORDER TO CHECK COMPRESSION. SIS READ CYLINDERS SHOULD NOT VARY OVER 51PSI.  
CYLINDER 1: 350PSI  
CYLINDER 2: 400PSI  
CYLINDER 3: 500PSI  
CYLINDER 4: 250PSI  
CYLINDER 5: 400PSI

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MODEL	SERIAL NUMBER		EQUIPMENT NUMBER		METER READING		MACH. I.D. NUMBER		
AA	D6NXL		OPER00496		5215.0				
QUANTITY	ITEM	N/R	DESCRIPTION		UNIT PRICE	EXTENSION			

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

CYLINDER 6: 450PSI

F/R LBR

SEGMENT 06 TOTAL

# REMOVE & INSTALL ENGINE

COMPLAINT: REMOVE AND INSTALL ENGINE  
 CAUSE: EXCESSIVE BLOW-BY  
 CORRECTION: REMOVED ROPS AND HOOD FROM MACHINE.  
 REMOVED COOLING LINES, FUEL LINES AND A/C LINES  
 FROM CAB. REMOVED FLOOR PLATE AND REMOVED HARNESS  
 TO TORQUE CONVERTER. USED LIFTING LINK AND COME  
 ALONG TO SUPPORT THE WEIGHT OF THE TORQUE  
 CONVERTER. REMOVED ENGINE MOUNTING BOLTS FROM THE  
 MOUNTS. REMOVED REAR ENGINE MOUNTS IN ORDER TO  
 CLEAR ENGINE FROM SIDES OF MACHINE. REMOVED NUTS  
 FROM TORQUE CONVERTER AND REMOVED 4 BOLTS FROM  
 TORQUE CONVERTER. REMOVED ENGINE USING CRANE FROM  
 MACHINE. SET ENGINE ON SUITABLE CRIBBING AND  
 STANDS. BROUGHT NEW ENGINE TO BAY AND BEGAN  
 SWAPPING PARTS OVER FROM OLD ENGINE. SECURED  
 HARNESS USING ZIP TIES. MADE SURE ALL CLIPS WERE  
 TIGHT. INSTALLED NEW O-RING ON TORQUE CONVERTER  
 AND APPLIED ASSEMBLY LUBE. HAD TO USE FIELD TRUCK  
 CRANE TO LIFT NEW ENGINE OFF OF CRATE AND USED

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10-28-21	10	10	10			2		
MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING	MACH. I.D. NUMBER		
AA	D6NXL	OPER00496			5215.0			
QUANTITY	ITEM	NIR	DESCRIPTION		UNIT PRICE	EXTENSION		

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

FORKLIFT TO PUT OLD ENGINE ONTO THE CRATE. SECURED NEW ENGINE WITH SUITABLE CRIBBING AND MADE SURE IT WAS IN A POSITION THAT THE TRUCK CRANE COULD INSTALL IT. REPOSITIONED THE TRUCK INSIDE SHOP IN ORDER TO GAIN BETTER ACCESS TO INSTALLING THE ENGINE. INSTALLED ENGINE INTO MACHINE AND TURNED OVER THE ENGINE TO MAKE SURE GEARS IN TORQUE CONVERTER SPLINED UP CORRECTLY. INSTALLED NUTS AND BOLTS TO MOUNT ENGINE TO TORQUE CONVERTER. WAS THEN ABLE TO REINSTALL REAR ENGINE MOUNTS AND INSTALLED ALL 4 ENGINE MOUNTING BOLTS MAKING SURE THEY WERE TIGHT. REMOVED CRANE FROM ENGINE AND BEGAN HOOKING UP LINES. GOT ALL FUEL, COOLING, A/C LINES RECONNECTED AND CLAMPS ARE TIGHT. SECURED LINES WITH CLIPS ON SIDE OF ENGINE BLOCK. INSTALLED HOOD ONTO MACHINE USING CRANE. REMOVED AIR CLEANER ASSEMBLY AND INSTALLED NEW AIR CLEANER USING NEW SEALS AND HOSES MAKING SURE ALL MOUNTING BOLTS WERE TIGHT. WASHED OUT ALL AIR TUBES AND REMOVED ANY HOSES AND CLAMPS. REINSTALLED AIR TUBES ONTO ENGINE USING ALL NEW HOSE AND ALL NEW CLAMPS MAKING SURE ALL CLAMPS WERE TIGHT. REINSTALLED HARNESSSES AND MADE SURE THEY WERE PROPERLY SECURED USING ZIP TIES. PULLED VACUUM ON COOLING SYSTEM AND MADE SURE IT HELD AND THEN REFILLED COOLING SYSTEM WITH 9.5 GALLONS. FILLED ENGINE OIL WITH 4.5 GALLONS OF 15W-40 BULK OIL.

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MODEL		SERIAL NUMBER			EQUIPMENT NUMBER		METER READING		MACH. I.D. NUMBER		
XL		OPER00496					5215.0				
ITEM		NIR		DESCRIPTION			UNIT PRICE		EXTENSION		

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

RAN MACHINE AND IT STARTED SUCKING AIR INTO FUEL CYCLED KEY SEVERAL TIMES AND CRACKED VENT SCREWS TO RELEASE THE AIR. RAN MACHINE AND PULLED OUT OF SHOP TO RUN ON YARD. CHARGED A/C SYSTEM WITH 4LBS OF R-134A REFRIGERANT AND MADE SURE A/C SYSTEM WAS WORKING CORRECTLY. CLEANED WORK AREA. TOOK AFTER REPAIR PSR. NEW ENGINE SERIAL # C8N39.

1	3K-0360	SEAL
1	4D-9986	SEAL
1	5P-7465	CLIP
1	5P-9806	SEAL-O-RING
1	6V-9746	SEAL O RING
100	7K-1181	TIE
1	7X-7729	WASHER
1	178-3336	NUT-HEX FLAN
10	238-8648	CAT ELC
7	242-1583	STUD-INTERFE
1	360-8960	ELEMENT FUEL
1	423-9049	SEAL-O-RING
1	464-8044	ENGINE AR-PR
1		CORE DEPOSIT
1-		CORE RETURN
1	479-4131	ELEMENT-SEP

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MAKE	MODEL	SERIAL NUMBER		EQUIPMENT NUMBER	METER READING		MACH. I.D. NUMBER	
AA	D6NXL	OPER00496			5215.0			
QUANTITY	ITEM	NIR	DESCRIPTION		UNIT PRICE	EXTENSION		

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

1	525-6205	FILTER AS	S
		DISCOUNT	
1	LOCTITE30548	PRO PARTS CLEANER	S
2	CRC095084	14OZ BRAKLEEN CLNRS	
5	5153957	15W40 DEO ULS BULKS	
6	3079921A	SINGLE PIG MAT	S

TOTAL PARTS

1.00	INBOUND FRT
4.00	R134A FREON

TOTAL MISC CHGS

SEGMENT 07 TOTAL

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REMOVE & INSTALL RADIATOR

COMPLAINT: REMOVE AND INSTALL RADIATOR  
 CAUSE: EXCESSIVE BLOW-BY  
 CORRECTION: DRAINED COOLANT FROM SYSTEM. REMOVED  
 OIL LINES AND CAPPED OFF. REMOVED HYDRAULIC OIL  
 FILTER HOUSING. REMOVED FAN. REMOVED ALL COOLING  
 LINES AND AIR TUBES. USED CRANE TO SUPPORT WEIGHT

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		2							
MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER	METER READING		MACH. ID. NUMBER	
AA	D6NXL	OPER00496				5215.0			
QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE		EXTENSION	

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

OF THE COOLING PACK. REMOVED 6 MOUNTING BOLTS ON BOTTOM SIDE OF MACHINE. REMOVED COOLING PACK FROM MACHINE. SET COOLING PACK IN UPRIGHT POSITION AND REMOVED BOLTS FROM TOP OF RADIATOR THEN WAS ABLE TO LAY THE COOLING PACK FACE DOWN AND REMOVED SHROUD AND CORES FROM THE FRAME OF HARD NOSE. REASSEMBLED CORES AND USED SERVICE TRUCK CRANE IN ORDER TO SET IN PLACE. MADE SURE ALL MOUNTING BOLTS WERE TIGHT AND IN PROPER LOCATIONS. INSTALLED SHROUD AND AND TIGHTENED BOLTS. USED CRANE TO LIFT COOLING PACK INTO UPRIGHT POSITION AND INSTALLED MOUNTING BOLTS IN FRONT OF CORES. SHUT GRILL AND TIGHTENED THE BOLTS. REPOSITIONED COOLING PACK AND HAD TO FOLD UP AND REPOSITION TRUCK IN ORDER TO SET ON MACHINE. SET UP TRUCK AND USED CRANE TO REINSTALLED COOLING PACK ONTO THE MACHINE. APPLIED ANTI SEIZE TO SIX MOUNTING BOLTS AND INSTALLED BOLTS MAKING SURE THEY WERE TIGHT. REINSTALLED FAN APPLYING RETAINING COMPOUND TO BOLTS. REINSTALLED HYDRAULIC FILTER AND ALL OIL LINES USING NEW O-RINGS AND MADE SURE FITTINGS WERE TIGHT. INSTALLED ALL COOLING HOSES USING NEW CLAMPS. SECURED ALL HOSES AND TUBES USING PROPER CLIPS AND ZIP TIES. SECURED ANY WIRING HARNESSSES USING ZIP TIES ON PROPER LADDER CLIPS.

6 6V-9746

SEAL O RING



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AA	D6NXL	OPER00496			5215.0	
QUANTITY	ITEM	NIR	DESCRIPTION	UNIT PRICE	EXTENSION	

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

1	7J-9108	SEAL	S	
			DISCOUNT	
2	7X-7958	CLAMP	S	
			DISCOUNT	
4	209-4573	CLAMP-T'BOLT	S	
			DISCOUNT	
1	261-2167	HOSE	N	
			DISCOUNT	
4	343-6821	CLAMP-BAND	S	
			DISCOUNT	
2	CRC095084	14OZ BRAKLEEN CLNRS		

TOTAL PARTS

SEGMENT 10 TOTAL

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CLEAN RADIATOR

RADIATOR/ATAAC PROFESSIONALLY CLEANED AND PRESSURE  
CHECKED.  
1.00

01-21-22		NEW AIR FILTER ELEMENT NUMBER			STORE	DIV.	SALESMAN	TERMS	PAGE
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AA	D6NXL	SERIAL NUMBER			EQUIPMENT NUMBER	METER READING		MACH. I.D. NUMBER	
		OPER00496				5215.0			
QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE		EXTENSION	

\* \* \* PROFORMA INVOICE

SEGMENT 12 TOTAL

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OBTAIN-PURCHASE PARTS AIR FILTER ELEMENT(S)  
HOUSING

PURCHASE OF NEW AIR CLEANER HOUSING/FILTERS  
 1 8T-7524 O RING SEAL N  
 1 348-2502 CLEANER GP  
 1 348-5021 SEAL

TOTAL PARTS

SEGMENT 14 TOTAL

-----  
OBTAIN-PURCHASE PARTS AFTERCOOLER  
HOSE(S)

PURCHASE OF NEW ATAAC HOSES/CLAMPS  
 1 4N-7431 HOSE

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AA	D6NXL		OPER00496				5215.0			
QUANTITY	ITEM		N/R	DESCRIPTION			UNIT PRICE		EXTENSION	

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

110	8I-1362	CM HOSE
1	147-1685	CLAMP
1	203-7607	HOSE
2	209-4582	CLAMP T
1	209-4586	CLAMP-T BOLT
1	215-4012	CLAMP-T'BOLT
3	216-4983	CLAMP-T'BOLT
1	322-0999	HOSE-ELBOW
1	348-4980	HOSE
1	421-7677	HOSE

TOTAL PARTS

SEGMENT 16 TOTAL

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10-28-21		10	10	10						2	
MODEL		SERIAL NUMBER			EQUIPMENT NUMBER		METER READING		MACH. I.D. NUMBER		
XL		OPER00496					5215.0				
ITEM		N/R		DESCRIPTION			UNIT PRICE		EXTENSION		

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

REMOVE & INSTALL FUEL TRANSFER PUMP

COMPLAINT: INSTALL TRANSFER PUMP, FUEL SYSTEM WILL NOT PRIME.

CAUSE: LIFT PUMP NOT WORKING

CORRECTION: REMOVED OLD LIFT PUMP INSTALLED NEW PUMP TURNED KEY ON MADE SURE FUEL WAS PUMPING.

1 446-5409 PUMP AS-FUEL

-----  
REMOVE & INSTALL PRECLEANER

COMPLAINT: REMOVE AND INSTALL PRE CLEANER, CRACKED

CAUSE: PRE CLEANER COVER IS CRACKED CUSTOMER WANTS REPLACED

CORRECTION: ORDERED PRE CLEANER. REMOVED CLAMPS HOLDING COVER ONTO THE PRE CLEANER TUBE. USED

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AA	D6NXL	OPER00496				5215.0		
QUANTITY	ITEM	N/R	DESCRIPTION		UNIT PRICE		EXTENSION	

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

HAMMER TO SLIGHTLY TAP ON COVER UNTIL IT CAME OFF. MADE SURE THE TUBE WAS NOT DAMAGED IN ANY MANNER AND THEN PROCEEDED TO INSTALL THE NEW CLEANER COVER. ONCE IT WAS PROPERLY INSTALLED USED THE NEW CLAMP TO TIGHTEN IT BACK INTO PLACE. RAN MACHINE AND CHECKED TO MAKE SURE EVERYTHING WAS PROPERLY WORKING.

1 070-0195

PRECLEANER A

-----  
TEST AFTER REPAIR MACHINE

COMPLAINT: TEST MACHINE AFTER REPAIR

CAUSE: REPLACED ENGINE

CORRECTION: DROVE MACHINE AROUND TO TRY AND VERIFY LOW POWER ISSUES. HAD CODE FOR LOW FUEL RAIL PRESSURE. RAN FUEL RAIL PRESSURE TEST AND RAN FUEL

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MAKE	MODEL	SERIAL NUMBER			EQUIPMENT NUMBER			METER READING		INV. SEQ. NUMBER		
AA	D6NXL	OPER00496						5215.0		2		
QUANTITY	ITEM	N/R	DESCRIPTION			UNIT PRICE			EXTENSION			

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RAIL RELIEF VALVE TEST. HAD NO ISSUES WHILE RUNNING TEST. DECIDED TO CHANGE FUEL FILTERS SO THEY WERE FRESH AND WHEN TRYING TO PRIME SYSTEM TRANSFER PUMP WAS NOT PROPERLY OPERATING. ORDERED NEW PUMP. FUEL SYSTEM NOW CORRECT. NO OTHER LEAKS/ISSUES NOTED AT THIS TIME.

SEGMENT 99 TOTAL

TOTAL AMOUNT	38352.60
CREDIT AMOUNT	