

SE

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
BLUE	14	FREIGHTLINER FREIGHT	3ALXFB006EDFT8104R137911TX	386313/386313	T6730		
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
25NOV13	DD30JUL13		17:00 27NOV17		0.00	CHG	26DEC17
R.O. OPENED		READY		OPTIONS: ENG:06R0322314-DDES-60			

08:32 27NOV17 15:54 26DEC17

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
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A CHECK AND ADVISE FOR EXCESSIVE BLOW BY AND GOING THROUGH 5 GALLONS OF OIL EVERY 15,000 MILES OIL COMING OUT OF FILL TUBE AND DIPSTICK / CUSTOMER PROVIDING ALL PARTS

168	S-60	9442	CP		
1	DDE/R23522122	A/CMP	TF550		735.98
	CORE CHARGE C				
5	1147*4520*	NON-CHLORINATED BRAKE CLN			4.86
2	8281	J B WELD			49.98
2	1147*7014*	SPRAY ELECTRIC MOTOR CLEA			7.28
1	LUB/105	LUBRIPLATE			17.60
6	DDE/23511870	SEAL			14.08
6	DDE/05104701	SEAL RING			3.93
1	DDE/08929357	BOLT			10.00
10	ZSH550045126G	FLUID			22.00
2	1000*AFROA053*	NITRITE FREE OAT EXTENDED			15.99
1	23-13202-000	SEAL #8			2.80
1	23-13201-000	SEAL-MINI STAT-O-SEAL PLUS 6			3.74
2	DN/23530573	ELEMENT-OIL FILTER			16.80
1	5839*AF25139M*	AIR FILTER			80.07
-1	DDE/R23522122	CORE RETURN			683.20
SUBL TEXAS INDUSTRIAL RADIATOR 169684					
PO#050648S					

CP

58.00 brought unit to shop and found major oil leak at rear of engine. removed air filter and found gto be very dirty and not oem. removed inlet to turbo and found signs of dirt ingestion from air cleaner. removed cac piping and found same signs of dirt. removed inlet to air compressor and found minor residue of engine oil. removed discharge line and found wet oil coming from compressor. removed drain valve from wet tank and found oil to run out and a 2" wide strip oil in in the bottom. also found oil at outlet of air drier. will inform customer. customer requested air compressor replaced and inframe. drained coolant, removed cac piping, rain tray, rad strut rods, upper

ON BEHALF OF SERVICING DEALER, I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREON IS ACCURATE UNLESS OTHERWISE SHOWN. SERVICES DESCRIBED WERE PERFORMED AT NO CHARGE TO OWNER. THERE WAS NO INDICATION FROM THE APPEARANCE OF THE VEHICLE OR OTHERWISE, THAT ANY PART REPAIRED OR REPLACED UNDER THIS CLAIM HAD BEEN CONNECTED IN ANY WAY WITH ANY ACCIDENT, NEGLIGENCE OR MISUSE. RECORDS SUPPORTING THIS CLAIM ARE AVAILABLE FOR (1) YEAR FROM THE DATE OF PAYMENT NOTIFICATION AT THE SERVICING DEALER FOR INSPECTION BY MANUFACTURER'S REPRESENTATIVE.

## STATEMENT OF DISCLAIMER

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drained coolant, removed cac piping, rain tray, rad serid road, upper		DESCRIPTION	TOTALS
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		GAS, OIL, LUBE	
		SUBLET AMOUNT	
		EPA CHARGES	
		TOTAL CHARGES	
		LESS INSURANCE	
		SALES TAX	
(SIGNED) DEALER, GENERAL MANAGER OR AUTHORIZED PERSON (DATE)	CUSTOMER SIGNATURE	PLEASE PAY THIS AMOUNT	

CUSTOMER COPY



SERV

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LINE OP CODE TECH TYPE HOURS

LIST NET TOTAL

rad hose, evacuated ac, removed cac, sent cac to be cleaned. removed rocker cover, jakes, rocker shafts, cam hold down, front cam gear cover, cam bolt, installed tool. removed cam. removed fuel, coolant and elec to cyl head. removed all head bolts and head. found several scored liners. drained oil, removed oil pan, regulator, oil pump, removed all pistons and liners. found block with extreme electolosis above lower coolant seal surfaces. informed customer. customer informed fitzgerald. fitzgerald suggested using jb weld to fill in hoiles so o rings do not gt torn durring liner instillation. cleaned block, bolt holes and counter bore surfaces. used elec cleaner to remove any residue to make sure jb weld sticks. filled in holes with jb weld and let set for 24 hours. came back in and used flapper wheel to remove excess. found several spots tat needed to be built back up. filled in low spots and let set for 24 hours. used flapper wheel to removed excess. found surfaces smooth enough i believe o rings will be okay during install. used solvent and brake clean and cleaned block thoroughly to remove all debris from jb weld. r/r all main bearings with thrust bearings. torqued all to spec. found crank end play in spec. installed liners, pistons with new rod bearings and torqued to spec. drilled exhaust manifold bolt from #6 cyl and helix coiled. installed manifold with new gaskets and torqued to spec. installed head to block with new gasket and bolts. torqued to spec. installed new cam bearings and installed cam in time. verified cam timing. torqued cam bolt and thrust plate with new seals. installed cam hold downs and torqued to spec. verified cam gear lash is correct. installed cover plate with new gasket. installed rocker shafts and torqued to spec. adjusted all intake and exhaust vlve lash. adjusted all injector settings and timing. installed jakes and set valve lash. torqued all jam nuts. installed inj elec, fuel and coolant lines to cyl h ead. installed rocker cover with new gasket. instllled all elec and secured with zip ties. installed upper rad hose, coolant res, rain tray anfd windshield wipers. installed oil pump, suction sump and baypass with new seals and torqued to spec. installed oil pan with new seal. changed fuel filters and filled with oil. installed cac, cac piping, condensor and charged ac. installed rad

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## DESCRIPTION

## TOTALS

LABOR AMOUNT

PARTS AMOUNT

GAS, OIL, LUBE

SUBLET AMOUNT

EPA CHARGES

TOTAL CHARGES

LESS INSURANCE

SALES TAX

PLEASE PAY THIS AMOUNT

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1					strut rods. r/r air compressor. filled with coolant untill coolant came out of upper rad hose vent. topped off coolant and started engine. found 60 oil psi cold. let run. took to steam bay and washed engine. sent unit on test drive and found no issues. checked and found no leaks. tagged air compressor for core. parked unit in gravel. gave ro and keys to foreman.		

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WE ARE THE BEST EQUIPPED ALLISON AUTOMATIC TRANSMISSION REPAIR AND OVERHAUL FACILITY IN THE AREA. WE HAVE A NEW DYNOMETER ON SITE FOR TESTING AND DIAGNOSIS ON THESE TRANSMISSIONS PLEASE CALL 210-666-7184 OR 210 666 7175 FOR DETAILS. WE HAVE A LARGE PARTS INVENTORY, AND CAN KEEP YOUR DOWNTIME TO A MINIMUM

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9959.32