

Invoice Number: R00483700222634

Tax Status	Terms	P.O.#	Service Date	Invoice Date
TAX	CASH	REQUIRED	11/01/2023	12/13/2023



Serial Number	Unit Number	Make / Model	Year	License Number	Mileage
1XKAD48XXEJ386238	22	KENWORTH/T600B	2014		69441

OPERATION 1

COMPLAINT: COOLANT IN FUEL - CHECK AND ADVISE
VMRS CODE: 01-999-999-999-99-09
CORRECTION: OUT OF CHASSIS OVERHAUL-TOTAL VEHICLE-TOTAL VEHICLE-
INSUFFICIENT CLEARANCE

LOOKED AT FUEL TANKS AND THERE IS NO FUEL HEATERS INSTALLED.
LOOKED AT THE DAVCO FILTER BOWL AND THERE IS NO COOLANT
LINES COMING IN THERE EITHER. THE LIKELY CAUSE FOR COOLANT
IN THE FUEL IS THE INJECTOR CUPS. INFORMED FOREMAN AND HE
WANTS TO PULL THE INJECTORS AND SEE IF IT IS LEAKING AT THE
TOP OR THE BOTTOM OF THE INJECTOR CUP SO WE CAN MAKE A
REPAIR PLAN HE SAID HE WOULD HAVE ONE OF THE ENGINE GUYS GET
IT PULLED IN AND GET THE INJECTORS PULLED OUT AND SEE WHERE
ITS LEAKING AT. PARKED TRUCK FOR NOW. REMOVED AIR FILTER
HOUSING. REMOVED EGR CROSSOVER PIPE. REMOVED VALVE COVER.
REMOVED INJECTORS, QUILL TUBES AND INJECTOR FUEL LINES.
PRESSURED COOLANT SYSTEM. FOUND #6 INJECTOR CUP LEAKING.
ADVISED FOREMAN. WAITING ON CUSTOMER APPROVAL.
STARTED DISASSEMBLY OF HEAD
REMOVAL. REFER TO PREVIOUS STORY PINNED ENG REMOVED GEAR
COVER HAD TO PULL VIBRATION DAMPENER TO GET TO ONE NUT,
REMOVED CAM & IDLER GEARS, REMOVED ROCKERS & CAMSHAFT, &
TURBO REMOVED COOLANT LINES
REMOVED HEAD BOLTS
7 REMOVED HEAD & TORE DOWN TO GO TO THE MACHINE SHOP CLEANED
UP AREA & WAITED FOR PARTS TO PICK UP HEAD TO DELIVER
CLEANED UP BLOCK GOING ON A ROAD TEST. PUTTING HEAD
TOGETHER FOR INSTALL
INSTALLED INTAKE MANIFOLD, FUEL RAIL, EXHAUST MANIFOLD
CLEANED & INSTALLED THERMOSTAT HOUSING W/ NEW THERMOSTAT,
CLEANED INJECTORS & QUILL TUBES & REPLACED O-RINGS &
INSTALLED & TORQUED TO SPEC, INSTALLED FUEL LINES.
INSTALLED HEAD & TORQUED CLEANED CAM SHAFT & INSTALLED

Customer Copy

Invoice Number: R00483700222634

Tax Status	Terms	P.O.#	Service Date	Invoice Date
TAX	CASH	REQUIRED	11/01/2023	12/13/2023

OPERATION 1

INSTALLED CAM & IDLER GEAR & INSTALLED GEAR COVER & VIBRATION DAMPENER & PULLY, SET BACKLASH, INSTALLED ROCKERS & TORQUED & RAN THE OVERHEAD INSTALLED INJECTOR WIRING HARNESS VALVE COVER, TURBO EXHAUST PIPE, COOLANT LINES OIL LINES INSTALLED FAN & FAN SHROUD, RADIATOR A/C COMPRESSOR ALTERNATOR HOOKED UP ALL LINES W/ NEW O-RINGS TRIED TO VACUUM COOLING SYSTEM BUT ITS GOT A SMALL LEAK, HOOKED UP UPPER & LOWER RAD HOSES EOS FOUND LOOSE CLAMP TIGHTENED CLAMP FILLED COOLANT VACUUMED & CHARGED A/C INSTALLED HOOD STARTED TRUCK & RAN IT, FOUND OIL LEAK COMING FROM CAM PLATE DRAINED COOLANT REMOVED RADIATOR FAN & SHROUD A/C COMP ALTERNATOR & MOUNTING BRACKET, GEAR COVER PINNED ENG & INSTALLED WEDGE REMOVED VALVE COVER REMOVED CAM GEAR & CAM PLATE DIAMOND SHAPED O-RING HAD FELL OFF. REPLACED BOTH PLATE GASKETS & REINSTALLED PLATE SET BACK LASH & REASSEMBLED TRUCK, R4AN FOR THIRTY MIN NO LEAKS, NEEDS HOOD SHOCKES ATTACHED CHARGE A/C ITS IN A VACUUM NOW, INSTALL BUMPER STEAM CLEAN RS OF ENGINE & TEST DRIVE>OS CHARGED AC HOOKED UP HOOD SHOCKS INSTALLED BUMPER STEAMED TRUCK OFF TOOK TRUCK ROAD TEST TRUCK DROVE AND SHIFTED GOOD BUT DID HAVE MULTIPLE LIGHTS

37.5 Hours

SUBLET PARTS	INSPECT HEPO#1993652	1
RX5708760RXCUM	HEAD, CYLINDER	1
CX5708760RXCUM	HEAD, CYLINDER	1
CR5708760RXCUM	HEAD, CYLINDER	1
4376104CUM	KIT-UPPER ENGINE GASKE	1
4318947CUM	THERMOSTAT.	1
0600000	BRAKE CLEAN	2
3678506CUM	SCREW, HEX FLANGE HEAD	10
4966454CUM	CLAMP-V BAND	1
CC36077FLG	EG PREMIX 50/50 1 GAL	2
5719778CUM	SEAL, O RING	1
4299124CUM	SEAL-O RING	1
BLAS16PBDS	PB BLASTERLUBRICANT SP	1
RX5594276NXCUM	SENSOR, POSITION (CRA	1
CX5594276NXCUM	SENSOR, POSITION	1
CR5594276NXCUM	SENSOR, POSITION	1
3684384CUM	SEAL, O RIN.	1
RX6305090RXCUM	KIT, WATER PUMP	1
CX6305090RXCUM	KIT, WATER PUMP	1
CR6305090RXCUM	KIT, WATER PUMP	1
3678724CUM	SEAL-O RING	1
3683814CUM	SEAL, O RIN.	1
WF2127FLG	WATER FILTER ESI	1
CC2610FLG	RESTORE CLEANER	1
CC36077FLG	EG PREMIX 50/50 1 GAL	12
4059172CUM	SEAL-O RING	1
BRASSFITTING	BRASS FITTING ASSORTME	1
PC DIAGNOSTIC	MACHINE PC DIAGNOSTI	1

Total (

Invoice Number: R00483700222634

Tax Status	Terms	P.O.#	Service Date	Invoice Date
TAX	CASH	REQUIRED	11/01/2023	12/13/2023

OPERATION 2

COMPLAINT: CEL CHECK AND ADVISE.
VMRS CODE: 01-999-999-999-99-99
CORRECTION: OUT OF CHASSIS OVERHAUL-TOTAL VEHICLE-TOTAL VEHICLE-
REPLACED BEFORE FAILURE
READ PREVIOUS JOB STEP STORIES HAS ACTIVE 0123 INTAKE
MANIFOLD PRESSURE CIRCUIT FAULT, FOUND CONNECTOR NOT PLUGGED
IN ALL THE WAY. HAS 6263 FAN CONTROL CIRCUIT HIGH COUNTS,
FOUND PINS RIPPED OUT OF CONNECTOR, FIXED THAT. AND 0778
CAMSHAFT POSITION. GETTING 5V IN SPEC THEN OHMED SIGNAL WIRE
FROM ECM TO CAMSHAFT CONNECTOR GETTING 0.4 OHMS. ALSO FOUND
COOLANT LEAKING FROM WATER PUMP. AND COOLANT IS LOW AND
OILY. ADVISED FOREMAN ON FINDINGS WILL NEED COOLANT FLUSHED
WITH NEW COOLANT AND COOLANT FILTER. GOT QUOTE FOR WATER
PUMP AND CAMSHAFT POSITION SENSOR. ALSO ABS LIGHT IS ON,
HOOKED UP TO BENDIX AND HAVE ACTIVE FAULT FOR RIGHT REAR
WHEEL SPEED SENSOR. I FOUND THE HARNESS CUT GOING TO SENSOR,
LOOKS LIKE ITS BEEN THAT WAY FOR AWHILE. R&R WATER PUMP
ASSYMBLY USED NEW ORINGS R&R CAMSHAFT SENSOR TAGGED OLD
PARTS CORES FLUSHED COOLANT SYSTEM STARTED FORCED REGEN BC
OF SOOT LEVEL BEING HIGH STILL HAS ABS LIGHT ON MOVING
JOBS..... LOOKED FOR TRUCK WAS ON THE HILL HOOKED UP LET
WARM UP RAN REGEN ALL LITES WENT OUT NO CODES TEST DROVE ALL
SHOWED OK AT THIS TIME

16.8 Hours Labor Total --
Total Operation 2 ---

Invoice Number: R00483700222634

Labor Total	
Parts Total	
Sublet	
Shop Supplies	
Sales Tax	
Machine Charge	

Customer Copy

TOTAL DUE

19,440.96
