



KENWORTH

GREATWEST KENWORTH LTD

292217 Prime Ave.
Balzac, AB. T4B 2T3
(587) 319-5950

EE01-23

Sold To: BIG RIG TOWING & RECOVERY LTD

Ship To: BIG RIG TOWING & RECOVERY
LTD

REVIEW
Work Order

SB5004165

Date: 04-24-24

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Year	Make / Model	Serial Number	License	Mileage	Unit/Stock
2020	Kenworth / T8 SERIES	3WKDP4EX0LF965720	LARRY F NEEDS TO MAKE CALL ON WED APR 24	450413	920
Delivery Mileage	Delivery Date	Engine Model / Serial #	Transmission Model/Serial #		
	07-06-20	ISX / X15 / 80200920	FULLER RTLO20918B 18-SPEED SUPE / P1295666		
CPL/ARRG	Rear Ratio	Rear Axle Model / Serial #	Rear Axle Model / Serial # 2		

Engine Hours	Reefer Hours	Standby Hours	P.O. Number	Open Date / Time	Complete	Service Writer
8223.0			PO REQUIRED	03-12-24 / 05:46PM	04-17-24	chr*XX
Memo	<i>768 856</i>					

Tax ID Date:

Tax ID:

1 SET GOVERNOR PARAMETERS TO 75 MPH

TYPE SR

CAUSE:

CUSTOMER REQUEST.

CORRECTION:

511- CONFIRM MAX VEHICLE SPEED IS SET FOR 75 MPH AND THIS IS ALSO
PASSWORD PROTECTED. CHANGED MAX CRUISE SPEED TO 75 MPH.

TOTAL LABOR

101.40

2 PERFORM ENGINE OVERHAUL

TYPE SRP

CAUSE:

DUSTED ENGINE CAUSED BY INCORRECTLY CLEANED AIR FILTER HOUSINGS. LOWER
SEALS FAILED.

CORRECTION:

.FOUND WHAT LOOKS TO BE PITTING IN #6 CYLINDER. TAKE PICTURES AND CALL
CUMMINS. THEY WANTED TO PRESSURE TEST CAC AND INTAKE PIPES. FOUND CAC
T.O BE LEAKING ALONG WITH HOT SIDE CAC HOSES. PRESSURE TESTED ALL
CYLINDERS, HOLES 3 AND 6 FAILED. REMOVE CYLINDER HEAD AND INSPECTED.
FOUND LINER 6 HEAVY DISCOLOURED AND NO CROSSHATCH LEFT. CUMMINS WANTS
TO REMOVE PISTONS 1, 3 AND 6. DRAIN OIL AND BLOCK STIFFENER PLATE.
REMOVE OIL JETS. REMOVE REQUESTED PISTONS AND FOUND PISTON 6 TOP RING
HAS FULL FACE WEAR WHICH IS ONLY CAUSED BY DUST. CUMMINS HAS DENIED
ANY FURTHER WARRANTY FOR ENGINE REPAIR DUE TO DUSTING. 511- CLEAN DECK
SURFACE AND COUNTERBORES AFTER MACHINING. INSTALL LINERS AND RECHECKED
PROTRUSION. INSPEC. INSTALL NEW PISTONS, RINGS AND BEARINGS. ROLL NEW
MAIN BEARINGS IN. REMOVE AND REPLACE FUEL PUMP, WATER PUMP AND AIR
COMPRESSOR. REPLACE OIL PUMP, CHECKED BACKLASH AND IN SPEC. CLEAN ALL
INTAKE PIPES, EGR SYSTEM AND INTAKE MANIFOLD OF DEBRIS AND DUST.
INSTALL PARTS ON NEW HEAD. INSTALL AND TORQUE CYLINDER HEAD.
REASSEMBLE ALL REMOVED PARTS. PAINT NEW PARTS. REINSTALL RAD PACKAGE.
WIPED OUT ALL AIR INTAKE PIPES AND CLEAN TURBO NOSE SHAFT. CLEAN AIR
FILTER CANISTERS OUT AND CLEAN SEALING SURFACE. INSTALL NEW AIR
FILTERS. FILL WITH COOLANT AND OIL. CRANK UNTIL OIL PRESSURE WAS

920

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PRESENT. BUILD AIR PRESSURE. NOTE THAT AIR TAKES A LONG TIME TO BUILD AND POWER STEERING IS A LITTLE NOISY. PRESSURE WASH ENGINE OFF. AFTER ROAD TEST CHECKED FOR LEAKS. NONE FOUND.

TOTAL LABOR	10,075.00
TOTAL PARTS	27,458.40

OVERTIME HOURS		1.40		
WH08C	1	1 P	3689649RXCUM	COMPRESSOR,1 CYL AIR 2,268.70
WH20C	2	2 B	P614986	PACCAR 13" PRF FIT AIR 341.26
BELT	3	1 P	D84-1000-6122180	BELT-POLY 12 RIBS X 2180 121.75
BELT	4	1 P	D84-1000-6061620	BELT-POLY 6 RIBS X 1620 E 63.42
	5	1 P	5440813CUM	GASKET,ACC DRIVE SUPPORT 23.59
	6	1 B	EC7101	COOLANT-TRP ELC CONCENTRA 13.80
	7	1 P	2872317CUM	RETAINER,INJ COUPLING 45.42
			CHARGE AIR COOLER S/N 551735	
BPE51934	9	1 P	6324452RXCUM	KIT, X15 PRO OVERHAUL 23,840.69
			B/O RELEASE BPE51934	CONFIRM # 7621
	11	1 P	3691292CUM	TUBE,FUEL DRAIN 57.79
	12	1 P	5414049CUM	GASKET,FUEL PUMP 39.49
	13	1 P	4988280CUM	GASKET,HYDRAULIC PUMP 5.97
	14	2 P	3627695CUM	SEAL,O RING 22.06
	15	2 P	3678786CUM	SEAL,O RING 9.36
	16	1 X	S3631R-12	ORINGS 4.56
	17	1 P	4059172CUM	SEAL-O RING 10.99
	18	2 P	3683814CUM	SEAL,O RING 7.98
	19	1 P	4393172CUM	SEAL,O RING 6.28
	20	1 P	3683607CUM	SEALANT 6.81
	21	2 P	3682826CUM	SEAL,GROMMET 9.26
	22	1 P	3104230CUM	GASKET,EXH GAS RCN VALVE 55.27
	23	1 P	3685701CUM	SEAL,O RING 15.28
	24	2 B	221854-483C	CHV HAVOLINE ATF MD-3 (12 13.72
	25	49 X	7591399	10W30 BULK OIL 293.51
	26	49 X	7591399&	ENV CHG 2.94
	27	14 B	EC7501	COOLANT-TRP ELC 50/50 JUG 178.50

3 CUT COUNTERBORES

TYPE SWCU 100 %

CAUSE:

FRETTED COUNTERBORES.

CORRECTION:

511- WAS ADVISED ON SR#02267746 IF THERE WAS SIGNS OF FRETTING TO CALL BACK AS CUMMINS WILL COVER THE MACHINING. CUMMINS SAID TO CUT COUNTERBORES UNDER WARRANTY. PLUG ALL NECESSARY HOLES AND CUT ALL 6 CYLINDER COUNTERBORES TO PROPER SPECIFICATION WITH USING 0.020 SHIM. COUNTERBORES ARE CUT SO LINER PROTRUSION IS 0.0115.

TOTAL LABOR	1,134.00
TOTAL PARTS	499.74

OVERTIME HOURS 0.30

1	6 P	5298564CUM	SHIM	499.74
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4 REPLACE CAC AND HOSES

TYPE SR

CAUSE:

LEAKING CAC. HOT AND COLD SIDE HOSES LEAKING BOOST.

CORRECTION:

511- REMOVED AND REPLACE CAC. REMOVE ALL CAC HOSES AND PROPERLY ALIGN PIPE TO HOSE CONFIGURATION. INSTALL ALL NEW CLAMPS. PRESSURE TEST AND NO LEAKS FOUND.

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TOTAL LABOR	270.40
TOTAL PARTS	2,172.06

V2C	1	2	P	HE9622	HOSE-CAC 4" SIL BELLOW X	62.14
	2	8	P	B9224-0406TRP	CLAMP-T BOLT SPRING HD 4	104.32
BPE51935	3	1	P	US-PEDAC-20F	CAC 1030531-AS	1,727.60
	4	2	P	D50-1076	HOSE-HUMP, COLD SIDE CAC	278.00

SHOP SUPPLIES	450.00
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G.S.T. - REG. NO. R139766661RT0001 5 % OF 40,527.26 = 2,026.36

SB5004165	WARRANTY VENDOR-BZKW	224.5	-1,633.74
	CUST MECH LAB-BZKW	461.5	10,446.80
	WARRANTY LABOR-BZKW	462.5	1,134.00
	PARTS CUST R/O-BZKW	468.5	29,630.46
	WARRANTY PARTS-BZKW	480.5	499.74
	SHOP SUPPLIES-BZKW	620.5	450.00
	G.S.T. R139766661RT000324A		2,026.36
	PLEASE PAY THIS TOTAL 220		42,553.62

I ACKNOWLEDGE THAT I WILL BE RESPONSIBLE FOR ALL COST INCURRED TO DIAGNOSE, ROAD TEST, DISMANTLE AND REASSEMBLE MY UNIT IF NO FAULT CAN BE FOUND.

THE MANUFACTURER WARRANTY CONSTITUTES ALL OF THE WARRANTIES WITH RESPECT TO THE SALE OF THIS ITEM/ITEMS. THE SELLER HEREBY EXPRESSLY DISCLAIMS ALL WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING AND IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THIS ITEM/ITEMS.

GREATWEST KENWORTH LTD. MAKES THE LIMITED WARRANTY COVERING ANY DEFECT IN WORKMANSHIP OR MATERIAL FURNISHED IN CONNECTION WITH THIS REPAIR ORDER FOR A PERIOD OF THIRTY (30) DAYS FROM THE DATE OF DELIVERY OF SAID MOTOR VEHICLE TO THE CUSTOMER/OWNER, OR 16,000 KILOMETERS WHICHEVER OCCURS FIRST.

IT IS UNDERSTOOD THAT A LIEN MAY BE PLACED THEREON FOR THE AMOUNT DUE IN CASE THE VEHICLE REPAIRS ARE NOT PAID IN FULL.

Customer: X _____ Date: _____

CALGARY -- CLAIRMONT -- LETHBRIDGE -- MEDICINE HAT -- RED DEER