



Cummins South Pacific Pty. Ltd.

ABN NO. 42006332949

Wodonga
PO Box 174
Wodonga VIC 3690
Ph: 02 6024 3655
Fax: 02 6024 3102

WORKSHOP TAX INVOICE

INVOICE NUMBER 9476664

INVOICE DATE 22/08/22

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COPY

Invoice To

Account Number 3250412
SHANAHAN'S LIVESTOCK TRANSPORT P/L
SHANAHAN'S LIVESTOCK TRANSPORT P/L
PO BOX 332
WODONGA
VIC 3689

Customer

SHANAHANS LIVESTOCK
TRANSPORT
PO BOX 332
WODONGA
VIC
3689

Engine Model:	SIGNATURE/ISX/QSX	Eng No:	80226582	Equip Make:	KENWORTH
FleetNo:		Reg No:	XV20KE	Cust Ord NO:	XV20KE
Date in Service:	27/03/20	KLMS:	493339	HRS:	6801
Repair Date:	22/08/22	Chassis NO:	467015	Currency:	AUD
C.O.No.	6609347	Work ordNo.	2770067	Facility	325

Complaint:

Retail Items During Pre-Emptive Low Liner Repair.

Cause:

Retail Items.

Correction:

ECM Klms: 493,339

ECM Engine Hours: 6,801

ECM Fuel Burn: 321,957

- Connect laptop & download ECM image
- Drain coolant & engine oil
- Removed radiator
- Disassemble engine in chassis
- Removed cylinder head
- Measured initial liner heights.
- Inspected and cleaned counter bores, All Cylinders in good condition didn t require cutting
- Fit new liners & measure liner heights.
- Inspected & cleaned cylinder head, no fretting around Cylinders found
- Fit Piston coolers & bolts
- Remove and replace front engine mounts
- Re-fit & torque block stiffener plate & oil pick up tube, re-fit sump with new gasket
- Replaced leaking front crankshaft seal
- Measure idler gear & scissor gear bosses and gear bearings
- Fit new replacement idler gear bosses & bolts as per - CAP SB 17-20 Rev2 service bulletin
- Refit cylinder head
- Found 4 heavily pitted cylinder head bolts, fitted new head bolts and torque to spec
- Refit camshaft, Cam gear and adjustable front idler, set engine base timing
- Inspected and cleaned rocker shaft assemblies, fit and torque rocker shaft assemblies
- Replaced turbo as per customer Request
- Found coolant thermostat scored and seal broken, fit new thermostat & seal
- Fit following replacement parts, A/C & Main drive belt

1_Cmp_370_Div_A10_Fac_325_Whs_939_Cot_001



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Customer SHANAHANS LIVESTOCK
TRANSPORT

Description	Operation	Unit price	Qty	Extension
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Tensioners

- Changed oil & fuel filters
 - Pressure bleed lubrication system with new engine oil.
 - Re-fit Radiator & fill cooling system with coolant
 - Start & run engine to operating temperature
 - Steam clean engine & road test vehicle
 - Check over engine for leaks, check & top up engine fluids, paint engine
- Return vehicle to service

Description	Operation	Unit price	Qty	Extension
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Labour

3		154.00	1.00	154.00
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LABOUR TOTAL 154.00

Material

3690067	TENSIONER, BELT	600.00	1	600.00
5607734RX	RECON TURBOCHARGER KIT (E	4000.00	1	4000.00
3691282	TENSIONER, BELT	950.00	1	950.00
LF14000NN	LUBE FILTER	50.00	1	50.00
FS19764	ELEMENT	25.00	1	25.00
FF5776	FUEL FILTER	50.00	1	50.00

MATERIAL TOTAL 5675.00

Miscellaneous

Environmental Levy	25.00	1	25.00
Consumables	30.00		30.00

MISC TOTAL 55.00

SUB-TOTAL 5884.00

G.S.T 588.40

INVOICE TOTAL 6472.40