



Cummins South Pacific Pty. Ltd.

ABN NO. 42006332949

Wetherill Park
Private Bag 150
Wetherill Park NSW 2164
Ph: 02 9616 5300
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Invoice To
Account Number

WORKSHOP TAX INVOICE

INVOICE NUMBER 1387977

INVOICE DATE 30/09/24

PAGE 1

COPY

Customer
ERH REFRIGERATED TRANSPORT
34-36 BANFIELD CRT
TARNEIT
VIC 3029

Engine Model:	SIGNATURE/ISX/QSX	Eng No:	80153588	Equip Make:	KENWORTH
FleetNo:	167	Reg No:	XV24IB	Cust Ord NO:	
Date in Service:	06/09/19	KLMS:		HRS:	
Repair Date:	23/09/24	Chassis NO:	465953	Currency:	AUD
C.O.No.	6722681	Work ordNo.		Facility	210

Complaint:

Liner Repair (#2 Liner dropped)
COMPLAINT: losing coolant

Cause:

#2 Liner dropped resulting in coolant to mix
into the lubrication system (mix with oil)

Root Cause of Failure(s):

Cylinder liner protrusion within cylinder
variance for no.2 was 0.002 inch, maximum
allowable is 0.0015 inch.

Correction:

VA763 / 210

CSS Number: CSS- 00895362

ECM Klms: 1,028,766kms
ECM Engine RUN time Hours: 12,934h
ECM Fuel Burn: 450,531L
Complaint: Losing coolant

Access Issues:

Removed radiator for access. Moved A/C condenser
and compressor for access.

Other Claimables:

Replaced 45L oil and filter due to coolant
contamination. Used lubriplate and sealant for
engine assembly. Replaced cable ties on wiring
removed during repair. Additional Comments:
Connected to ECM. Carried out troubleshooting
for coolant loss. Carried out pressure test and
found no.2 leaking internally past piston.
Removed cylinder head and found low liner
condition on multiple cylinders. Removed pistons
and replaced liners. Reassembled all parts and
steam cleaned engine.

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Description	Operation	Unit price	Qty	Extension
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Labour

3

40.45

LABOUR TOTAL**Material**

5693720	KIT, SERVICE LINER REPAIR	1
3164067	SEALANT SILICONE ADHESIVE	1
3678506	SCREW HEXAGON FLANGE HEAD	3
2866337	GASKET AFM DEVICE	1
WKS1009	LOCTITE GASKET 518	1
WKS1007	LOCTITE THREAD INSERTS 60	1
3824732	GREASE ANTI-SEIZE COMPOUN	1
CATY25MX	7.5" CABLE TIES	30
CATY27MX	14" CABLE TIES	50
3391271	LUBRIPLATE 105 GREASE 100	1
2882087	SET, ROD BEARING (STD)	1
LF14000NN	OIL FILTER COMBO SPINON	1
1324.01	PREMIUM BLUE 8600 OIL (W/	45
DCT110	CABLE TIE, DUAL CLAMP 485	30
PGXLVITAL-20L	PGXL VITAL ADVANCED COOLA	3

MATERIAL TOTAL**Subcontract**

5506962

degas / regas

1

SUBCONTRACT TOTAL**SUB-TOTAL****INVOICE TOTAL**