Cummins South Pacific Pty. Ltd.

ABN NO. 42006332949

Townsville
PO Box 7339
Garbutt BC QLD 4814
Ph: 07 4774 7733
Fax: 07 4774 7640

WORKSHOP TAX INVOICE

INVOICE NUMBER 1796707
INVOICE DATE 12/11/25
PAGE 1

Invoice To
Account Number 1330986
BMR LOGISTICS PTY LTD
BMR LOGISTICS PTY LTD
PO BOX 7505
GARBUTT
QLD 4814

Customer
BMR LOGISTICS PTY LTD
30-32 AUSCAN CRES
GURBUTT
TOWNSVILLE QL
4814

Engine Model:	SIGNATURE/ISX/QSX	**Eng No:**	80365543	**Equip Make:**	WESTERN STAR
FleetNo:		**Reg No:**	BMR014	**Cust Ord NO:**	1710
Date in Service:	25/02/22	**KLMS:**	812949	**HRS:**	12666
Repair Date:	30/09/25	**Chassis NO:**	5KKJBEBG1NPNP878	**Currency:**	AUD
C.O.No.	6807285	**Work ordNo.**	2986647	**Facility**	133

Complaint:
Noise in engine @ 812,949kms

Cause:
Found chipped intake valve no.1 cylinder, signs of pushing coolant, found cracked Liner #1, cut and found block to be cracked beyond re-use.

Correction:

Hrs/Klms: (ECM) 12,810 Hrs - 812,490 Kms
Fuel Burn: 359,115.5 Ltrs

- Truck arrived at workshop for engine noise.
- Engine noise found to be chuffing from intake.
- Removed rocker cover and found oil to be milky.
- Suspected dropped liner and chipped valve.
- It was decided to remove the engine.
- Drain coolant.
- Remove bonnet.
- Remove radiator from chassis.
- Removed intake piping.
- Disassembled intake and exhaust sides of engine.
- Disassemble front and remove fan hub.
- Unbolt clutch and bell housing bolts and did not support as gearbox is mounted.
- Unplumb under side of engine.
- Jack up cab.
- Remove engine from chassis.
- Disassemble exhaust and oil cooler assembly.
- Remove thermostat housing and exhaust manifold.
- Remove water pump and coolant filter housing.
- Remove oil cooler housing and attach the roll over stand bracket.
- Engine installed to rollover stand.
- Strip engine down to bare block.
- Remove rocker cover.
- Remove rocker shafts.
- Remove front cover, cam gears and camshaft from engine.
- Unbolt and remove cylinder head from engine.
- Cylinder head found to have a dropped valve.
- Remove sump and pick up.

Cmp 370 Div A10 Fac 133 Whs 999 COt
MCUMWRKA

Cummins South Pacific Pty. Ltd.

WORKSHOP TAX INVOICE

Townsville
PO Box 7339
Garbutt BC QLD 4814
Ph: 07 4774 7733
Fax: 07 4774 7640

INVOICE NUMBER **1796707**
INVOICE DATE 12/11/25

Invoice To
Account Number 1330986

Customer BMR LOGISTICS PTY LTD

Description	Operation	Unit price	Qty	Extension

- Remove stiffener plate.
- Removed piston cooling nozzles and pushed pistons.
- Measure liner heights and found to be out of spec and well as liner 1 was cracked causing to fill the bore with coolant.
- Bore ledge 1 found to be cracked and cut to 0.032" and crack still visible on the ledge.
- Cleaned all parts to be reused.
- Create parts list.
- All geartrain idler shafts found out of specification.
- Engine mounts are worn/cracked.
- Lower radiator mounts are worn and stay mounts.
- Cab mounts and gearbox mounts.
- Fuel gear pump oil o ring.
- Turbo inlet pipe had a hole
- Coolant is contaminated.
- Coolant to be replaced.
- Turbo due to valve passing though turbo.
- Oil pressure sensor leaking oil.
- Clean all journals of crank.
- Measured all idler shaft diameters.
- Both upper and lower idler shafts out of specification measuring 3.501" and 3.501" respectively. (max allowable is 3.4998").
- Measured camshaft idler shaft diameter and found to be out of specification measuring 3.7555". (max allowable is 3.7542")
- Measured fuel pump idler shaft diameter, out of spec measuring 3.0860" (max allowable is 3.0850").
- Installed new cylinder block to engine rollover stand.
- Cleaned out all oil passages.
- Installed crankshaft with new main bearings.
- End float measured 0.010".
- Assembled new piston assemblies and installed to engine.
- Installed new piston cooling nozzles.
- Attach new oil pump (gear lash 0.011").
- Cleaned all parts and inspected (all okay)
- Installed stiffener plate.
- Installed front gear housings and front crank seal.
- Attach rear hosing and rear seal.
- Attached pick up tube and sump.
- Attached new cylinder head to block.

MCUMWRKB

Townsville
PO Box 7339
Garbutt BC QLD 4814
Ph: 07 4774 7733
Fax: 07 4774 7640

INVOICE NUMBER 1796707
INVOICE DATE 12/11/25

Invoice To
Account Number 1330986

Customer BMR LOGISTICS PTY LTD

Description	Operation	Unit price	Qty	Extension

- Installed camshaft and all timing gear assemblies.
- New bolts and shaft installed on fuel pump idler, new shafts and bolts installed at upper and lower idler gears.
- New shafts installed.
- Set base engine timing.
- Attach gear cover and front engine support.
- Attach dampener.
- Attach rocker lever assemblies and set tune.
- Attach rocker cover.
- Installed fuel pump, air compressor and all other components to the intake side of the engine.
- Attach wiring harness.
- Removed engine from rollover stand and fit to steel stand.
- Attach oil cooler assembly.
- Installed water pump, coolant filer head and coolant transfer tube.
- Check wastegate adjustment and adjust to 0.038" (all okay).
- Installed exhaust manifold and turbocharger.
- Painted the engine.
- New Front and rear chassis mounts installed.
- Old clutch to be reused.
- Attach new spigot bearing.
- Install engine to chassis.
- Attach gearbox and clutch.
- Do up engine mounts.
- Remove engine lifting bracket.
- Plumb up all the intake side and front of engine.
- Attach all plumbing underneath.
- Install radiator with new mounts and plumb up to engine.
- Fill engine with new oil and coolant.
- Attach bonnet.
- Prime up engine after fuel filters had been changed.
- Once primed started engine.
- Check over for leaks (all okay).
- Move truck to wash bay and clean engine bay.
- Take on test drive (all okay).
- Truck returned to customer.

As per agreed quotation 6807285 V1 - $38,196.47 + GST
****

MCUMWRKB

Cummins South Pacific Pty. Ltd.

Townsville
PO Box 7339
Garbutt BC QLD 4814
Ph: 07 4774 7733
Fax: 07 4774 7640

WORKSHOP TAX INVOICE

INVOICE NUMBER 1796707
INVOICE DATE 12/11/25

Invoice To
Account Number 1330986

Customer BMR LOGISTICS PTY LTD

Description	Operation	Unit price	Qty	Extension

Banking Details
Cummins South Pacific Pty Ltd
Australia and New Zealand Banking Group Limited (ANZ)
Level 4, 100 Queen Street, Melbourne VIC 3000
Account No: 836551902 BSB:013 479
Swift Code: ANZBAU3M

Include Account and Invoice Numbers in Payment Reference

Description	Operation	Unit price	Qty	Extension
Material				
5680039RX	RECON LUBE PUMP ISX		1	
5484100	SHAFT, IDLER		1	
4921517	SENSOR PRESSURE		1	
3164067	SEALANT SILICONE ADHESIVE		2	
3391271	LUBRIPLATE 105 GREASE 10O		3	
AF25247	RIGID MOUNT AIR SYSTEM		2	
5607734RX	RECON TURBOCHARGER KIT (E		1	
4903514	SEAL, O RING		1	
PGXLVITAL-20L	PGXL VITAL ADVANCED COOLA		3	
4988280	GASKET HYDRAULIC PUMP		1	
185848	GASKET AIR COMPRESSOR		1	
6306-2RS2/C5GJB	BEARING, SPIGOT		1	
3683814	SEAL,O RING		2	
3683607	SEAL MOULDED		1	
4965731	O-RING		1	
2866337	GASKET AFM DEVICE		1	
CATY28MX	14" CABLE TIES		15	
CATY25MX	7.5" CABLE TIES		15	
DCT110	CABLE TIE, DUAL CLAMP 485		10	
3823258	PAD CLEANING SCOTCHBRITE		1	
3163075	PAINT "300 APEX RED" 12.		4	
WF2127	ESI WATER FILTER BLANK		1	
6438633	KIT, OVERHAUL		1	
6511105RX	RECON, CYLINDER HEAD		1	
CSP110PAD	PAD 110 - ABSORB WHITE PA		5	

MCUMWRKB

Cummins South Pacific Pty. Ltd.

WORKSHOP TAX INVOICE

Townsville
PO Box 7339
Garbutt BC QLD 4814
Ph: 07 4774 7733
Fax: 07 4774 7640

INVOICE NUMBER **1796707**
INVOICE DATE 12/11/25

Invoice To
Account Number 1330986

Customer BMR LOGISTICS PTY LTD

CSP115PAD	PAD 115 - ABSORB GREY PAD	5
100328	SEAL O RING	1
4374074	SCREW, TWELVE POINT CAP	3
1324.01	PREMIUM BLUE 8600 OIL (W/	50
3104119	GASKET COVER PLATE	1
3963991	WASHER SEALING	2
5633630	KIT, MAIN BEARING	1
FS19764	PLUS SIZE ELEMAX	1
4026684	GASKET OIL PAN	1-
5406110	KIT, MAIN BEARING	1-
5693706	KIT, LINER	6-
4089405	SET ROD BEARING (STD) 1X	6-
3687058	NOZZLE PISTON COOLING	6-
3679037	SCREW HEXAGON FLANGE HEAD	6-
3681174	SCREW HEXAGON FLANGE HEAD	8
DISCOUNT	MATERIALS DISCOUNT (SERVI	1

SUB-TOTAL	38196.47
G.S.T	3819.64
INVOICE TOTAL	**42016.11**

MCUMWRKB