

WORKSHOP TAX INVOICE

ABN NO. 42006332949



Cummins Mount Isa
23-35 Northridge Road
Mount Isa QLD 4825
Ph 07 4749 8600
Fax 07 4743 0777

COPY

INVOICE NUMBER

9783820

INVOICE DATE

26/05/23

PAGE

1

Invoice To

Account Number 1301065
WAGNER INVESTMENTS P/L
WAGNER INVESTMENTS P/L
PO BOX 151
DRAYTON NORTH
QLD 4350

Customer

WAGNER INVESTMENTS P/L
WAGNER INVESTMENTS P/L
PO BOX 151
DRAYTON NORTH
QLD 4350

Engine Model:	SIGNATURE/ISX/QSX	Eng No:	80228109	Equip Make:	KENWORTH
FleetNo:	771	Reg No:	XQ91HS	Cust Ord NO:	5048184
Date in Service:	08/06/20	KLMS:	822476	HRS:	17717
Repair Date:	02/05/23	Chassis NO:	467291	Currency:	AUD
C.O.No.	6657434	Work ordNo.	2816807	Facility	139

Complaint:

Pressurising Cooling System
@ 822,476 klms / 17,717 hrs

Cause:

Install New Engine as per Quotation # 6657806

Correction:

Guidanz SO Number: 00574403

Hrs/Klms: (ECM) 821,689.4 klms / 017736:54:57

Fuel Burn: 850,461.2 litres

Promo ID: TI246

- Drained remaining coolant and removed radiator.
- Stripped sides of head.
- Removed tin cover and gears.
- Removed rocker shafts and injector wiring from in head.
- Removed camshaft and head bolts.
- Lifted head off block and inspected for blown head gasket and found blow marks at cylinder number 2.
- Cleaned head and valve surfaces and measured valve recession. Head valve recession was still in spec.
- Cleaned deck of block and measured liner protrusion on cylinder number 2 and found protrusion to be very low compared to specification at between .005mm to .008mm.
- Spoke to supervisor about findings.
- Removed wiring from block and starter motor.
- Removed AC condensor.
- Assisted with jacking transmission and securing it to jack.
- Assisted with unbolting of transmission to bell housing.
- Removed belly bar.
- Removed seized bolts from engine mounts which took some time
- Lifted engine bottom end from truck and put on engine stand.
- Spec'd up new engine. Fitted new clutch to new engine.
- Swapped starter motor and alternator from old engine to new engine.
- Cleaned and mounted old engine mounts to new engine.
- Swapped sump around and fitted new short oil pickup to

Cummins South Pacific Pty. Ltd. WORKSHOP TAX INVOICE



Cummins Mount Isa
23-35 Northridge Road
Mount Isa QLD 4825
Ph 07 4749 8600
Fax 07 4743 0777

INVOICE NUMBER 9783820
INVOICE DATE 26/05/23
PAGE 2

Invoice To

Account Number 1301065

Customer WAGNER INVESTMENTS P/L

Description	Operation	Unit price	Qty	Extension
-------------	-----------	------------	-----	-----------

- engine.
 - Removed new oil dipstick and fitted old dipstick in correct position to new engine.
 - Removed and fitted new front mounts to crossmember.
 - Riggged new engine up and fitted engine to truck.
 - Tightened engine mounts.
 - Wired up starter motor and fitted engine loom.
 - Tidied up engine bay wiring and secured all wiring tightly
 - Fitted fuel lines and air lines to engine.
 - Fitted power steering pump and governor to air compressor.
 - Fitted all hosing and wiring to p clamps correctly and bolted them to sump bolts.
 - Cleaned radiator and cut new hoses for top and bottom plumbing for radiator.
 - Lifted radiator into place and fitted fan to fan hub.
 - Bolted radiator down.
 - Cut and ran new heater hoses and secured all hoses neatly and securely.
 - Fitted new air filters and water filter.
 - Changed sump fitting to quick connect drain fitting.
 - Fitted quick connect fitting to oil cooler for oil prime fill.
 - Drained coolant from truck again due to heater tap leaking from tap shaft when cooling system was pressurized.
 - Removed tap and fitted new tap.
 - Refilled cooling system and pressure tested system and found system to hold pressure now.
 - Filled engine oil to full mark.
 - Tidied truck bay and work area.
 - Checked truck over after test run following quality control paperwork instructions.
- Promo ID: UY925
- Completed JSA
 - Washed engine. Chocked wheels
 - Drained coolant
 - Performed combustion leak test
 - Refilled coolant
 - Pressure tested radiator cap
 - Removed radiator
 - Removed exhaust side of engine
 - Unbolted head
 - Removed head

Cummins South Pacific Pty. Ltd. WORKSHOP TAX INVOICE



Cummins Mount Isa
23-35 Northridge Road
Mount Isa QLD 4825
Ph 07 4749 8600
Fax 07 4743 0777

INVOICE NUMBER 9783820
INVOICE DATE 26/05/23
PAGE 3

Invoice To

Account Number 1301065

Customer WAGNER INVESTMENTS P/L

Description	Operation	Unit price	Qty	Extension
-------------	-----------	------------	-----	-----------

- Cleaned up
- Promo ID: TO293
- JSA LOTO
- Removed dump pipe
- Secured gear box to the jack
- Unbolted gear box from engine
- Removed engine mount bolts
- Removed engine
- Replaced engine mount rubbers
- Replaced output shaft and cross shaft
- Installed new engine
- Bolted to gear box
- Installed engine mount bolts
- Plumbed exhaust side of engine
- Plumbed radiator
- Filled coolant
- Ran up all ok
- Washed engine bay
- Road tested
- Checked over all ok
- Packed tools
- Cleaned work area
- Promo ID: 1025779,
- JSA, Lock on,
- Checked over, refit brackets for wiring on engine mount,
- Thermostat housing, gear housing, tidy wiring,
- Assisted with clutch lever install,
- Installed clutch quadrant,
- Adjusted clutch free play. and clutch brake.
- Filled engine oil,
- Unisolated vehicle,
- Connected to Insite, calibrated new ECM to original ECM calcode,
- Laptop froze during ECM calibration, restarted and calibrated ECM,
- Transferred ECM template,
- Checked features and parameters, ALL ok, Sent to ECM.
- All transferred successfully.
- Attempted to start, found low battery voltage,
- Placed batteries on charge, jump leads on starter motor.

Cummins South Pacific Pty. Ltd. WORKSHOP TAX INVOICE



Cummins Mount Isa
23-35 Northridge Road
Mount Isa QLD 4825
Ph 07 4749 8600
Fax 07 4743 0777

INVOICE NUMBER 9783820

INVOICE DATE 26/05/23

PAGE 4

Invoice To

Account Number 1301065

Customer WAGNER INVESTMENTS P/L

Description	Operation	Unit price	Qty	Extension
-------------	-----------	------------	-----	-----------

- Attempted to start, found will not start, found no fuel pressure reading to injector rail pressure sensor.
- New engine under warranty,

** New Engine # 80384961 **

As per Quotation # 6657806 [REDACTED]

In Addition to Quoted price:

- 3 hrs add labour (input shaft kit, cross shaft bushes clutch & linkages) [REDACTED]
- 1 x Oil Suction Connection (4918022) [REDACTED]

Less Engine Oil (50L) inc in capped install [REDACTED]

Less Extended Warranty [REDACTED]
(will be Invoiced on a separate invoice)

Banking Details

Include Account and Invoice Numbers in Payment Reference

Description	Operation	Unit price	Qty	Extension
-------------	-----------	------------	-----	-----------

Material

3678756	SEAL O RING		1	
4918022	CONNECTION OIL SUCTION		1	
52377.02	ENGINE, ISXE5 500 / 1850		1	
4988280	GASKET HYDRAULIC PUMP		1	
185848	GASKET AIR COMPRESSOR		1	



Cummins South Pacific Pty. Ltd.

WORKSHOP TAX INVOICE

Cummins Mount Isa
23-35 Northridge Road
Mount Isa QLD 4825
Ph 07 4749 8600
Fax 07 4743 0777

INVOICE NUMBER

9783820

INVOICE DATE

26/05/23

PAGE

5

Invoice To

Account Number 1301065

Customer WAGNER INVESTMENTS P/L

DCT110	CABLE TIE, DUAL CLAMP 485	10
80244GL-CM	HOSE DAYCO SILICONE	125
80261GL-CM	HOSE DAYCO SILICONE	270
78250GL	SILICONE HOSE 915MM LE	1
AF887KM	AIR FILTER	2
1324.01	PREMIUM BLUE 8600 OIL (W/	50
2866337	GASKET AFM DEVICE	2
ISXDUP	ENGINE PARTS ONLY	1-

