

DAIMLER TRUCKS LAVERTON



Daimler Trucks Laverton
service_dtlaverton@vvgtruck.com.au
Authorised Mercedes-Benz, Freightliner,
ABN ABN 55 611 487 211 ACN ACN 611
487 211

BILL TO
WARRANTY - DETROIT - &WDET

P: (043) 857-0355

DELIVER TO
HAMILTON CONTRACTING - 212634
19 SOUTHEY STREET NSW 2716
0000
P: (043) 857-0355

SERVICE INVOICE: RA960027317:01

DATE ARRIVED	DATE INVOICE	SALES TYPE	ADVISOR	TERMS	CUSTOMER REFERENCE			
29/05/2024 6:00:00AM	24/06/2024	WDE	Pilitati S.	INT	WTY CH			
YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
2020	FL	CASCADIA	1FVJHYD1XMLMH2239		0		473910D075665	525433

Sold Operations

JOB #1 BD ATTEND BREAKDOWN

CLAIM NUMBER# **L27317D**

COMPLAINT BREAKDWN - REPORT #130249

CONTACT: TROY HAMILTON - 0429 148 759

DRIVER: BRIAN - 0488 357 638

LOCATION: WESTERN FWY, EAST BOUND, BALLARAT VIC

**** ISSUE ****

ENGINE FAILURE, OIL LEAKING, NEEDING A TOW.

B-DOUBLE LOADED WITH GRAIN.

CAUSE remove cores & oil billed

INVOICE REPRINT

CORRECTION Complaint: Breakdown *

ENGINE FAILURE, OIL LEAKING, had to be towed

Cause: Material failure of main cap bearings Casuing a cascading failure allowing metal to contaminate the oil system damaging the other bottom end bearings leading to engine to sieze

Correction: Replaced engine with LB, had to retrofit fuel cooler because new engine had a fuel cooler port. Trans PTO, Bull Bar, and Trans Cooler removed for access. new engine had thread damage on cam box that required repair Requires a helicoil kit to be installed to fix thread.

Additional Notes: Vehicle towed into workshop Carried out inspection of vehicle Found excessive amounts of oil residue on drivers side of motor Found excessive oil coming from oil breather Carried out inspection of oil filter, found excessive amounts of metal partials in filter cartridge Checked dip stick - Engine oil level low Drained oil found bearing fragments in the sump while oil draining

Carried out LTD uploads and Fault code up loads. Rasied vehicle into air Removed sump and suction manifold Inspected crank and bearings - can visually see crank to have changed colour due to xcessive ammounts of heat Removed main caps Found bearings and crank to be damaged - Requires new engine long block to installed. Bearing Failure guide B Difficult - SDT 101-035EE BEARING FAILURE GUIDE - DIFFUCULT Followed all 19 chapters of the bearing failure guide, Found fault code

Engine oil separator speed to low - 5444/1 Starter Jammed - 677/31 Oil Filter and stand pipe inspection Found filter to be full of metal Correct filter is installed no damage to standpipe found Debris in oil pan Found oil pan to be full of metal Can visually see the crank has turned blue

Oil pump and suction manifold inspection No issues found suction manifold is intact Lower end bearing inspection Found multiple main cap bearings have spun and cant be removed. Found engine has failed due to a material failure of the main bearings. Carried out removal of power train assembly Removed bullbar Removed bonnet Drained coolant Disconnected batterys Removed transcooler Removed condensor and AC lines Disconnected radiator mounts Disconnected fan Removed cooling package from vehicle Removed tail shafts Removed PTO Removed all electrical fuel oil and coolant lines Removed air filter housing Removed resonator Lifted engine and transmisison up with crane Slid enigne and transmission out of vehicle Separated engine from transmission Removed fuel filter module, air compressor, high pressure pump, fuel rail, intake pipe, intake manifold, belt drive, alternator, AC compressor, Turbo, APT, Exhaust Mainfold, Starter motor, Flywheel, Timing case, Rocker shafts. Prepped and installed engine and items removed for access. Primed fuel system Pumped in orignal coolant topped up with detroit coolant 10L Pumped in 40L 10W40 Started engine Washed truck Carried out road test, extensive steam under chassis due to failure required extra time.

Warranty Info:

DC: 045-002-010-37-03-00-00-NA-NA

DDE A4720330101

SRT:

939-6045a .50 tow into shop

101-010AE .30 initial leak check

939-6030a .30 comp hook

101-035EE 10.7 bearing diag

939-6010A .30 admin

101-6005E 42.0 - engine reduced by 1.0 hour for sublet evac and charge a/c = 41.0

939-6040a .50 road test

939-6041a .30

G-time to retro fuel cooler 2.0 hours, 1.2 PTO no srt for DT12 trans, Bull Bar 2.0 hours remove and install, helicoil 1.50 hours. additional cleaning time on chassis from oil 1.0 =62.6

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
	LABOR 01-10	Engine, Cylinder Head		
1	10677	[SUBLET]		
1	10832	[SUBLET]		
1	11116	[SUBLET]		
	LABOR 18-10	Engine Lubrication		
	LABOR 18-10	Engine Lubrication-CARRY OUT ROAD TEST		
1	960D/A0000701432	GEN2 HP LINE KIT DD16		
1	960D/A0002361880	PROFILE SEAL IDLER ACCESS CVR		
1	960D/A0019954102	DD15 TURBO DUCT CLAMP		

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
12	960D/A0029905500	FLYWHEEL BOLT		
1	960D/A0029951502	APT DUCT CLAMP		
18	960D/A0049904700	SUMP BOLT CHIPMONK		
2	960D/A0049908450	TOWBAR NUT		
1	960D/A0049971371	SCREW FITTING		
1	960D/A0119812025	DT12 SPIGOT BEARING		
1	960D/A0159974946	SEAL REAR CRANKSHAFT		
1	960D/A0179978945	HP PUMP MOUNTING ORING		
1	960D/A0209976545	APT GBOX MOUNT SEAL KIT		
4	960D/A0219901101	TURBO MOUNT BOLT		
1	960D/A0239977145	AIR COMPRESSOR MOUNT ORING		
1	960D/A0309974645	O RING TURBO OIL RETURN LINE		
1	960D/A0309976645	O RING 16MM (FOR USE ON 1 CYL		
6	960D/A4600700887	INJECTOR SEAL KIT		
1	960D/A4700903151	FUEL FILTER KIT 2 FILTERS		
1	960D/A4701870480	GASKET TURBO OIL DRAIN TUBE		
1	960D/A4720150480	SEAL FW HOUSING TO BLOCK		
1	960D/A4720160121	DD15 & DD16 ROCKER COVER GASKET		
1	960D/A4720180780	OIL SPINNER SEAL		
1	960D/A4720700079	FUEL COOLER BYPASS KIT		
1	960D/A4720780335	FUEL RAIL CLAMP KIT		
6	960D/A4720980080	INTAKE MANIFOLD SEAL		
1	960D/A4720980480	ITV INTKE ELBW SEAL		
1	960D/A4721421380	APT TO S PIPE GASKET		
1	960D/a472142188064	seal exhaust m front		
1	960D/A4721422080	EGR VALVE GASKET		
1	960D/A4721841980	OIL COOLANT MODULE SEAL		
1	960D/A4721881680	OIL THEMSTAT COVER GSKT		
4	960D/A4722000154	EGR COOLER CONNECTOR		
1	960D/A4722004251	CLNT LINE SINGLE COMP TO WOM		
1	960D/A4722005052	COOLANT LINE COMP TO BLOCK		
1	960D/A4722030180	SEAL		
1	960D/A4722030880	FRONT COOLANT COLLECTOR GASKET		
1	960D/A4722030980	REAR COOLANT COLLECTOR GASKET		
1	960D/A4730140122	FRONT SUMP GASKET CHIPMONK		
1	960D/A4730960480	TURBO MOUNT GASKET DD16		
1	960D/A4731803951	CHIPMONK PICK UP		
1	960D/CA4720108262	CORE FOR EA4720108262		
1	960D/DA4721421980	SEAL		
1	960D/EA4720108262	BREATHER ASSY-CRANKCASE VENTIL		
2	960D/N000000001069	SEALING WASHER		
6	960D/N000000001070	SEAL RING		
1	960D/R23565012	DD16 GHG17 L BLOCK F SUMP		
-1	960D/R23565012-CORE	CORE - DD16 GHG17 L BLOCK F SU		
1	960D/R23565012-CORE	CORE - DD16 GHG17 L BLOCK F SU		
3	960D/TCX AMS013	GASKET 5 INCH SPHERICAL		
1	960F/GF4HZ3K506C	GASKET		
5	960F/QFLC 22-68425-000	O RING SEAL SLIMLINE AC 1		
2	960F/QFLC 22-68427-000	O RING SEAL SLIMLINE AC C		
1	960F/QFLC 23-11347-009	PIN 50 CLEVIS HARDENED		
1	960F/QFLC 23-12485-250	CLAMP CONSTANT TORQUE HOS		
1	960M/A389264078064	GASKET		
1	960V/QGPN DQ69DOT0402	1/4 X 1/8 MALE ELBOW		
2	960V/QTCX T130158342AC2	CLAMP V BAND 5 SHPERICAL		
	LABOR BD-01	BREAKDOWN		
	COR	CORE MUST BE CLEANED AND RETURNED IN ORIGINA		
10	ZE-15	ENGINE - ALLIANCE PRIME ENGINE GLOBAL 10W40 (1		

JOB #6 01 Engine, Cylinder Head

COMPLAINT Carry out thread repair to remanufactured engine cam box.
 CAUSE combine to job 1
 CORRECTION

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE

INVOICE REPRINT

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AUTHORIZED BY _____ DATE _____