

DAIMLER TRUCKS SHEPPARTON

Operated by TriStar Truck and Bus Pty Ltd
ATF TriStar Unit Trust



SERVICE TAX INVOICE

ABN 12 241 713 151 / ACN 637 808 792

TriStar Truck and Bus Pty Ltd
Authorised Mercedes-Benz, Freightliner
& Fuso Sales, Service & Parts

*** DOCUMENT COPY ***

Invoice To: 53
Warranty - Detroit

Deliver To:
Hamilton Contracting P/L
Warrawilla
JERILDERIE NSW 2716

Document No.:	720816
Document Date:	3/05/2024
Repair Order No.:	475677
Rego No.:	XV52NI
Make/Model:	2020 Freightliner CASCADIA
Vehicle ID No.:	1FVJHYD1XMLMH2239
Paint:	
Odometer:	502260
Engine Hrs:	
Delivery Date:	
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ZW1

Coolant leaking

\$5,491.32

Losing coolant into sump - cylinder 5 leaking

Start truck and found engine is breathing heavy and losing coolant. Remove air intake and air cleaner. Remove rocker cover. Found coolant was mixed in oil. Drain engine oil. Remove sump and found liner number 5 is leaking. Remove coolant pipes. Remove all air intake. Time cam housing. Remove cam housing. Remove turbo. Remove EGR actuator. Remove head bolts. Remove head. Carry out liner height measurement. Remove piston number 5 and liner. Clean bore. Fit new liner. Remove oil pump. Pressure test block and found top liner o rings leaking on cylinders 1, 2, 3, 4 and 6. Remove pistons and liners on these cylinders. On removal piston rings broken. Clean surfaces. Install new liners and o rings. Retest block, no leaks found. Install original pistons with new piston rings. Replace all main bearings and big end bearings due to coolant in oil. Remove & replace oil spinner as old one had coolant and oil in it. Replace all piston coolers. Replace oil pump o rings. Refit oil pump and tension. Clean sump and block. Fit new oil scrapers. Fit new head gasket Refit head and tension. Fit new seal to cam housing, refit cam housing and tension. Carry out tune up. Refit injector harness and refit all parts removed. Prime oil system and fuel system. Fill with new oil and coolant. Start truck. Wash down and road test, check over - all ok.

TOWING TO SHEPPARTON

\$720.00

Re gas AC

Part Number	Part Description	Quantity	Nett Value	Total Cost
A4720160121	DD15 DD16 ROCKER COVER GASKET	1.00	83.45	83.45
3391271	LUBRIPLATE 105 GREASE 10OZ TBE	1.00	22.09	22.09
A4720110259	CARBON SCRAPER RING	1.00	44.24	44.24
0893241	ROST-OFF	2.00	27.60	55.20
A0049904700	SUMP BOLT CHIPMONK	2.00	24.84	49.68
A0239975345	O RING	1.00	23.32	23.32
BBC4	BENDIX BRAKE CLEAN	1.00	3.36	3.36
A4720111910	DD15 DD16 CSR LINER KIT	6.00	744.94	4,469.64
23549215	PWRCOOL PLUS OAT ELC 20L	3.00	112.54	337.62
GLOBAL	PRIME ENGINE GLOBAL 10W-40	40.00	7.23	289.20
A0000701432	GEN2 HP LINE KIT DD16	1.00	135.42	135.42
0674850180	ABRCLTH-ROLL-LE-G180-S28MX50	2.00	94.63	189.26

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ZW1

044110	10MM LOCK WASHER	2.00	0.14	0.28
A4721800043	PISTON COOLER	6.00	13.26	79.56
A0189973145	TURBO DRAIN O RING	1.00	7.80	7.80
A0219901101	TURBO MOUNT BOLT	4.00	31.40	125.60
A0229975245	DD15 & DD16 LINER TOP ORING	1.00	37.10	37.10
POWERKITBNE	OIL & COOLANT SAMPLE KIT	1.00	29.63	29.63
A0309979045	IDLER GEAR COVER ORING	1.00	12.41	12.41
N910105008011	HEXAGON SCREW M8 X 20 10.9	6.00	2.76	16.56
00571025	M10X25 METRIC SCREW	2.00	0.69	1.38
28MXB	360MM x 4.8MM CABLE TIE	10.00	0.23	2.30
05555101	Butt Connector 0.5-1.5SMM	4.00	1.47	5.88
A4720160133	COVER	1.00	43.62	43.62
A4720160880	DD15 AND DD16 CAM HOUSING SEAL	1.00	132.22	132.22
A4720300624	RING SET	5.00	311.76	1,558.80
A4720300445	THR BRG STD 1 PACK IS 4 PCS	1.00	77.53	77.53
0673205028	GRINDING FLEECE DISC 50MM	1.00	2.24	2.24
A4720180780	OIL SPINNER SEAL	1.00	19.44	19.44
A4720300740	MAIN BRG KIT	7.00	142.24	995.68
A4720300960	DD15 DD16 CONROD BEARING	6.00	114.61	687.66
A4720380071	DD15 DD16 CONRD BLT	12.00	18.71	224.52
A4720780480	INJECTOR LINE SEAL	6.00	17.27	103.62
A4720162220	DD15 DD16 CSR HEAD GASKET	1.00	429.41	429.41
A4721870880	OIL PUMP INLET TUBE ORING	2.00	10.14	20.28
A4721870980	OIL PUMP PRESURE TUBE ORING	2.00	8.27	16.54
A4721881480	OIL MANIFOLD SEAL FRONT PAN	1.00	19.74	19.74
A4730140122	FRONT SUMP GASKET CHIPMONK	1.00	173.09	173.09

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A4730301517	DD16 PISTON	1.00	937.37	937.37
A4730960480	TURBO MOUNT GASKET DD16	1.00	81.12	81.12
A5411870080	TURBO OIL DRAIN GASKET	1.00	15.70	15.70
067485080	ABRCLTH-ROLL-LE-G80-S25MX50	0.05	94.60	4.73
EA4720108262	BREATHER ASSY-CRANKCASE VENT.	1.00	526.30	526.30
QBW240002743	BBC4 BRAKE CLEANER 400	4.00	3.36	13.44
A472201028064	SEALING	1.00	38.94	38.94
34238	GREY MAXX SEALANT	1.00	13.41	13.41
A4711800209	LATE OIL FILTER KIT	1.00	54.96	54.96
Parts Totals:		158.05		\$12,211.34

ZW2

After treatment faults **\$163.92**
NOx sensor faulty
Connect computer and check faults. Found code 3216/20 - NOx raw sensor diagnosis oxygen pump capacity high. Inspect NOx sensor plug, ok. Test pin drag, ok. Replace NOx sensor and plug. Test, ok.

Part Number	Part Description	Quantity	Nett Value	Total Cost
EA0101531928	NOX SENSOR DOC IN	1.00	623.30	623.30
A0265451026	PIN BUSHING	1.00	54.47	54.47
Parts Totals:		2.00		\$677.77

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Technician Labour Postings

Technician	Job Code	Type	Clocked In Date	Start Time	Finish Time	Hours Worked
AFA	ZW1#	W	2024-04-05	16:00:00	16:30:00	.5000
AAP1.5x	ZW1#	W	2024-04-11	16:30:00	18:00:00	1.5000
AFA	ZW1#	W	2024-04-11	08:00:00	10:00:00	2.0000
AFA	ZW1#	W	2024-03-25	11:15:00	13:00:00	1.7500
AFA	ZW1#	W	2024-03-25	13:42:00	13:44:00	.0333
AFA	ZW1#	W	2024-04-11	10:30:00	13:00:00	2.5000
AFA	ZW1#	W	2024-04-11	14:00:00	16:30:00	2.5000
AFA1.5x	ZW1#	W	2024-04-11	16:30:00	18:00:00	1.5000
AAP	ZW1#	W	2024-04-11	08:08:00	10:00:00	1.8667
AAP	ZW1#	W	2024-04-11	10:30:00	13:00:00	2.5000
AAP	ZW1#	W	2024-04-11	13:40:00	16:30:00	2.8333
AFA	ZW1#	W	2024-03-18	08:23:00	09:30:00	1.1167
AFA	ZW1#	W	2024-03-18	10:45:00	13:00:00	2.2500
AFA	ZW1#	W	2024-03-18	13:37:00	16:30:00	2.8833
ANN	ZW1#	W	2024-03-18	08:55:00	10:00:00	1.0833
ANN	ZW1#	W	2024-03-18	10:35:00	13:00:00	2.4167
ANN	ZW1#	W	2024-03-18	13:30:00	16:30:00	3.0000
AFA	ZW1#	W	2024-03-14	15:15:00	16:30:00	1.2500
AFA	ZW1#	W	2024-03-15	08:01:00	09:13:00	1.2000
AFA	ZW1#	W	2024-03-26	08:30:00	10:00:00	1.5000
AFA	ZW1#	W	2024-03-26	10:24:00	13:00:00	2.6000
AFA	ZW1#	W	2024-03-26	13:30:00	16:30:00	3.0000
AFA	ZW1#	W	2024-04-12	08:15:00	10:00:00	1.7500
AFA	ZW1#	W	2024-03-19	08:00:00	10:00:00	2.0000
AFA	ZW1#	W	2024-03-19	13:30:00	16:30:00	3.0000
AFA	ZW1#	W	2024-03-19	10:24:00	13:00:00	2.6000
AFA	ZW1#	W	2024-03-20	08:00:00	10:00:00	2.0000
AFA	ZW1#	W	2024-03-20	10:24:00	13:00:00	2.6000
AFA	ZW1#	W	2024-03-20	13:55:00	15:04:00	1.1500

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AFA	ZW1#	W	2024-03-21	08:00:00	10:00:00	2.0000
AFA	ZW1#	W	2024-03-21	11:45:00	12:00:00	.2500
AFA	ZW1#	W	2024-03-27	08:10:00	10:00:00	1.8333
AFA	ZW1#	W	2024-03-27	10:36:00	11:09:00	.5500
AFA	ZW1#	W	2024-04-04	10:39:00	11:57:00	1.3000
NMA	ZW1#	W	2024-04-11	16:05:00	18:06:00	2.0166
AFA1.5x	ZW1#	W	2024-04-06	08:00:00	12:26:00	4.4300
AAP1.5x	ZW1#	W	2024-03-12	16:30:00	16:45:00	.2500
AAP	ZW1#	W	2024-03-12	15:29:00	16:30:00	1.0167
NMA	ZW1#	W	2024-04-12	12:14:00	13:14:00	1.0000
AFA	ZW1#	W	2024-04-08	09:02:00	09:53:00	.8500
AFA	ZW1#	W	2024-04-09	08:00:00	10:11:00	2.1833
AFA	ZW1#	W	2024-04-09	10:35:00	13:04:00	2.4833
AFA	ZW1#	W	2024-04-09	13:44:00	16:30:00	2.7667
BQU	ZW1#	W	2024-03-08	11:39:00	11:58:00	.3167
DBY	ZW1#	W	2024-04-12	09:47:00	10:00:00	.2167
AAP	ZW2#	W	2024-03-15	10:37:00	12:30:00	1.8833
NMA	ZW2#	W	2024-03-15	08:35:00	09:17:00	.7000
AFA	ZW3	W	2024-04-12	10:35:00	13:00:00	2.4167
AFA	ZW3	W	2024-04-12	13:44:00	15:57:00	2.2167

Advisor: Kylie Dahlenburg

Sub Total for All:	\$19,264.35
Rounding:	\$0.00
GST:	\$0.00
Total:	\$19,264.35

Bank Account Details for Direct Payments:

Bank: NAB Branch: Wagga
BSB: 082-811 Account No: 254952255 Account Name: TriStar Truck & Bus

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Fuso is a registered trademark of Mitsubishi Fuso Trucks & Bus Corporation, Japan

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