



KENWORTH TRUCKS
A DIVISION OF **PACCAR** AUSTRALIA PTY. LTD.

A.B.N. 43 004 669 667

64 Canterbury Road, Bayswater
P.O. Box 60, Bayswater, Victoria 3153, Australia
Telephone: (03) 9721 1500
Fax: (03) 9720 4144



25 October 2022

SAMMUT AGRICULTURE
C/- The Brown & Hurley Group Pty Ltd
266-272 Summerland Way
KYOGLE,
NSW 2474

TO WHOM IT MAY CONCERN

Reference: Kenworth VIN 6F5000000CA446981

Kenworth Trucks has been advised that this vehicle is modified from the original manufactured specifications. The ratings for such an alternative manufacturer's original specification, appear on pages 2 & 3 of this letter.

This letter, for the above vehicle, details the specification and the rating applicable to this VIN only. Kenworth Trucks manufactures individual vehicles to meet operational requirements within the framework of applicable Australian Design Rules. Each vehicle is plated with nominal GCM and GVM ratings that reflect that truck's ability to perform on the Australian general highway system.

As each truck is individually approved for a specified operation, the vehicle may be capable of performing above those Nominal Ratings.

Confirmation that the changes have been carried out in accordance with Vehicle Standards Bulletin No 6, the National Code of Practice - Heavy Vehicle Modifications may require that this vehicle is inspected, as directed by State or Territory requirements. Note that variations can occur between jurisdictions and each should be confirmed individually.

Kenworth Trucks is not an authorised Engineering Signatory for vehicle modification inspections.

The vehicle specifications as manufactured by Kenworth Trucks were as follows, shown with original applicable component ratings:

Model	: T403	Date of Manufacture:	May 2012
Engine	: Cummins ISX EGR	Governed rpm:	2000
	ADR80/03-450		
S/N	: 79536223		
Max Power	: 347 kW @ 1600 rpm		
Max Torque	: 2237 Nm @ 1150 rpm		
Transmission	: Fuller RTLO16918B		
Ratios	: 14.40 12.29 8.51 7.26 6.05 5.16 4.38 3.74 3.20 2.73 2.28		
	1.94 1.62 1.38 1.17 1.00 0.86 0.73		
Tailshaft	: Meritor RPL25		
Steer Axle	: Meritor FG941LA	Rating:	6600 kilograms
Front Suspension	: Kenworth Leaf Spring 7.2t	Rating:	7200 kilograms
Steer Tyres	: 295/80R22.5	Rating:	6900 kilograms
Steer Wheels/Rims	: 8.25 x 22.5 285PCD Alloy Wheels	Rating:	6600 kilograms
	Front Axle Assembly Rated Capacity:		6600 kilograms
Drive Axles	: Meritor RT40-145GP	Rating:	18100 kilograms
Drive Axle Ratio	: 4.33		
Rear Suspension	: Kenworth Airglide 460 Tandem, Steel	Rating:	20900 kilograms
This airbag suspension system has been certified as Road-Friendly by the Federal Office of Road Safety (FORS). Certificate No. RF2012			



Drive Tyres	: 11R22.5	Rating:	21800 kilograms
Drive Wheels/Rims	: 8.25 x 22.5 285PCD Alloy Wheels	Rating:	26400 kilograms
		Rear Axle Assembly Rated Capacity:	18100 kilograms
Wheelbase	: 4350 mm	Chassis Section:	270 x 89 x 8mm High Tensile Steel (with rear suspension insert only)
Rear Overhang	: 1370 mm		

If Kenworth Trucks manufactured a vehicle to the following alternative original specification (advised modified components indicated ** below), the current applicable ratings for these operation conditions are:

Gross Train Combination Mass up to and including 70.0** tonnes and/or
Gross Vehicle Mass up to and including 26.5** tonnes
(Lesser of Component Gross Vehicle Mass up to 27.5** tonnes, or,
ADR braking certification Gross Vehicle Mass of 26.5 tonnes)

This GCM rating applies only to the conditions nominated for initial design and manufacture. Changes from these conditions may result in variance of this rating. This rating may also require additional maintenance to minimise accelerated wear at the higher GCM.

Advised vehicle specifications are as follows, shown with current applicable component ratings.

Model	: T403	Date of Manufacture:	May 2012
Engine	: Cummins ISX EGR ADR80/03-450	Governed rpm:	2000
S/N	: 79536223		
Max Power	: 347 kW @ 1600 rpm		
Max Torque	: 2237 Nm @ 1150 rpm		
Transmission	: Fuller RTLO16918B		
Ratios	: 14.40 12.29 8.51 7.26 6.05 5.16 4.38 3.74 3.20 2.73 2.28 1.94 1.62 1.38 1.17 1.00 0.86 0.73		
Tailshaft	: Meritor RPL25		
Steer Axle	: Meritor FG941LA	Rating:	6600 kilograms
Front Suspension	: Kenworth Leaf Spring 7.2t	Rating:	7200 kilograms
Steer Tyres	: 295/80R22.5	Rating:	6900 kilograms
Steer Wheels/Rims	: 8.25 x 22.5 285PCD Alloy Wheels	Rating:	6600 kilograms
		Front Axle Assembly Rated Capacity:	6600 kilograms
Drive Axles	: Meritor RT46-160**	Rating:	20900** kilograms
Drive Axle Ratio	: 4.30**		
Rear Suspension	: Kenworth Airglide 460 Tandem, Steel	Rating:	20900 kilograms
This airbag suspension system has been certified as Road-Friendly by the Federal Office of Road Safety (FORS). Certificate No. RF2012			



Drive Tyres	: 11R22.5	Rating:	21800 kilograms
Drive Wheels/Rims	: 8.25 x 22.5 285PCD Alloy Wheels	Rating:	26400 kilograms
		Rear Axle Assembly Rated Capacity:	20900** kilograms
Wheelbase	: 4350 mm	Chassis Section:	270 x 89 x 8mm High Tensile Steel (with rear suspension insert only)
Rear Overhang	: 1370 mm		

The maximum recommended operating speed is 100 km/h, for which suitable tyres must be fitted. The maximum geared road speed of this vehicle was 122 km/h, Road Speed Limited to 100 km/h.

XA331A fifth wheel (D-Rating 50D165 kN) and fifth wheel mounting angles were fitted by Kenworth Trucks as original equipment, attached in accordance with Kenworth Engineering Specifications.

Please note that the above statements :

- do not affect the terms of any existing warranty in respect of this Kenworth truck
- are not a separate warranty by Kenworth Trucks
- are not separate application approval for any specific use of this Kenworth truck.

This vehicle was fitted with an Approved ADR Compliance Plate, in accordance with ADR61.

Compliance of the identified Category NC vehicle is confirmed by the Approval Number stamped in the upper left corner of the plate.

Individual ADR numbers are no longer required to be identified where an Approval Number is provided, excepting ADR64 (Roadtrains and B-Doubles). This compliance, if applicable, is shown on the Vehicle Identification Plate.

No authorisation exists for other Engineering Signatories to rate or approve this original specification Kenworth truck above the ratings stated in this letter (Vehicle Standards Bulletin No.6, Section S).

Any modification to certified components made after manufacture must be approved by an authorised Engineering Signatory and may vary the above ratings.

VSB6 (Part A, Section A, 4.4) stipulates that "requirements of the ADR's and original manufacturer's modification guidelines shall take precedence". As Kenworth Trucks offers a wide range of alternative manufacturer's original specifications, Kenworth Trucks can provide manufacturers ratings for most modifications (VSB6, Section S, Code S1).



This statement does not imply that Kenworth Trucks has inspected Chassis Number 446981, nor certified any alterations and is not to be relied on other than solely as a statement regarding the Gross Train/Combination Masses and Gross Vehicle Masses for a new truck manufactured by Kenworth Trucks in accordance with the above specifications.

Kenworth Trucks makes no representation and expressly denies all liability express or implied for loss or damage, including any indirect or consequential loss whether or not Kenworth Trucks is advised of the possibility of loss or damage in advance, arising out of or in connection with reliance on the above statement as an indication of the actual condition and applicable Gross Train/Combination Masses and Gross Vehicle Masses ratings for Chassis Number 446981. Due to other undisclosed alterations which may have been made to Chassis Number 446981 or the current condition of the truck, the actual Gross Train/Combination Masses and Gross Vehicle Masses may not be as set out above.

Yours faithfully,
KENWORTH TRUCKS

A handwritten signature in black ink, appearing to read 'Chevinda'.

Chevinda Chevy Karunanayake
Applications Engineer

Reference: Kenworth VIN 6F5000000CA446981

04
OCT

KENWTH T403 0398780256
X073AE 24700 50000
6F5000000CA446981 05-10-2022
Config. SP3

JEFFREY MOLESWORTH NUTHALL
DUTTON PARK
YOUNG NSW 2594

Expiry Date: 04-10-2023

VIN: 6F5000000CA446981
Plate: X073AE

- Important:** If you change the registration term, an inspection may or may not be required. Contact Service NSW on 13 22 13, or visit roads-maritime.transport.nsw.gov.au for more information.
- Hearing or speech impaired?** Call us on the National Relay Service: TTY users phone 133 677 then ask for 13 22 13. Speak and Listen users phone 1300 555 727 then ask for 13 22 13
- Compulsory Third Party (CTP) insurance policies for six month registration on **light vehicles** have a use-by date of 21 days after the registration expiry date.



Transport
for NSW

Certificate of Registration

Record the Transport for NSW receipt number here if required.

Rec: 0398780256 \$7,143.10
Payment Date: 05-10-2022

This certificate of registration identifies the registered operator of this vehicle, it is not proof of vehicle ownership. The garage address is shown below.

Customer Number	Plate Number	Expiry Date	Use
02549201	X073AE	04-10-2023	B PPG

JEFFREY MOLESWORTH NUTHALL
DUTTON PARK
YOUNG NSW 2594

Payment Details

REGISTRATION FEE	\$70.00
ROADUSE CHGE(SP3)	\$1,826.00
NHVR REGULATORY CHGE	\$404.00
HVIS INSPECTION FEE	\$217.27
GST ON HVIS INSPECTI	\$21.73
HVIS INSPECTION FEE	\$217.27
GST ON HVIS INSPECTI	\$21.73
NATIONAL HEAVY VEHIC	\$27.10
STAMP DUTY	\$4,338.00

SHORT COMB P/MOVER-HAUL ONE TRAILER ONLY TOTAL \$7,143.10

Insurer : 36
Insurer A/c: 102342878

Year	Make	Model	Variant	Shape
2012	KENWTH	T403		PMV

Tare Weight	GVM	GCM	Seating Capacity
8414	24700	50000	2

Engine Capacity 15000.0 VIN/Chassis Number 6F5000000CA446981

Engine Number 79536223

Axle Code R14

Conditions and Information:

USAGE: PRIMARY PRODUCER GENERAL.
VEHICLE REQUIRES AN RMS/HVIS INSPECTION WITHIN THE NEXT 28 DAYS.
RMS/HVIS INSPECTION WILL BE REQUIRED BY 04-10-2023.

If any details on this certificate or any concession eligibility have changed, you must contact Service NSW on 13 22 13 within 14 days of the change.

*** DOCUMENT COPY ***

Invoice To: 2224

~~XXXXXXXXXX Pty Ltd~~
~~XXXXXXXXXX~~
~~XXXXXXXXXX NSW 2478~~

Deliver To:

SERVICE TAX INVOICE

Document No.:	1616096
Document Date:	7/05/2019
Repair Order No.:	579492
RO Creation Date:	8/04/2019
Rego No.:	XN36BP
Make/Model:	2012 KENWORTH T403
Vehicle ID No.:	6F5000000CA446981
Fleet No.:	
Odometer:	750124
Engine Hours:	11805
Delivery Date:	29/05/2012
Invoice To:	2224
Customer ABN:	74 483506443
P/Order No.:	
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Break

Reported the stop engine light has come on and reports engine did re-rate

Brought the vehicle into the workshop, connected the computer and checked for logged codes, found codes 555 and 556 logged (Crankcase pressure) Connected the manometer to the engine, connected the prime mover to the test trailer, road tested the vehicle and checked the crankcase pressure. Found crankcase pressure at 20in H2O. Returned to the Workshop and carried out trouble shooting for logged crankcase pressure codes. Inspected the oil drain back ports for blockages or restrictions, inspected the turbo and charge air cooler for signs of oil. Checked oil level was not high, etc. Recovered the a/c refrigerant, drained the cooling system and disassembled and removed the radiator, removed the engine fan, belts, tensioners and horton. Disassembled and removed the ECM, intake, pipes, exhaust, pipes, turbo, intake and exhaust manifolds, etc. Removed the front cover and rocker cover, removed the upper scissor gear and removed the camshaft gears. Removed the rockers and shafts, remove the injectors and removed the camshafts. Found both camshafts pitted and worn and unserviceable, found two injector rockers damaged, found one intake and one exhaust rocker unserviceable. Disassembled and removed the cylinder head, inspected the cylinder head for cracks or signs of failure. Cleaned the cylinder block face and carried out a liner protrusion measure. Drained the engine oil and removed the engine sump. Removed the oil pump pickup pipes, piston cooler jets, removed the piston and connecting rods, removed the cylinder liners. Found cylinders 3, 5 and 6 with broken compression rings. Cleaned and inspected all and pressure tested the cylinder head. No leaks found from the cylinder head. Found the crankshaft gear pitted and unserviceable, remove the vibration dampener and lower front cover. Found both camshafts gears, the lower scissor gear, idler gear and oil pump gears also marked and unserviceable. Cleaned the liner seats and fitted the replacement cylinder liners, Carried out a liner protrusion measure and recorded the measurements. Carried out liner seat cut and cut and shimmed the liners to the specified heights. Cleaned the block again and fitted the liner seals and fitted the liners. Carried out main bearing roll and tensioned the main bearing caps. Replaced the pistons and rings and fitted the piston and connecting rods, fitted the new big eng bearings and tensioned the big end caps. Swapped the necessary items from the old cylinder head to the replacement cylinder head, fitted the cylinder head and tensioned the cylinder head bolts. Refitted the camshafts and fitted the gears and carried out base timing. Fitted the upper and lower front covers and new front crankshaft seal. Fitted the injectors, fitted the replacement injector, intake and exhaust rockers as required and fitted the rocker assemblies, carried out the top end tune up and refitted the rocker cover. Refitted the manifolds, thermostat housing, vibration dampener, horton, engine fan, etc and reassembled the engine. Fitted the replacement oil pump and refitted the pickups and refitted the engine sump. Refitted the radiator assembly and reassembled all, refilled the cooling system and replaced the engine oil, oil and fuel filters. Vacuumed and recharged the a/c system with refrigerant. Started and ran up the engine, road tested the vehicle and checked operation, returned to the workshop and checked over the repair. Found oil leak from the transmission oil pressure switch, found fuel leaking from a fuel hose. Removed and replaced the transmission pressure switch, removed the leaking fuel hose, made up a new Aeroquip fuel hose, fitted the new fuel hose and secured, Pressure cleaned and washed down.

\$6,300.01

Part Number	Part Description	Quantity	Total Cost
2884210	Wiper	1.00	10.46
12PK2215HD	V BELT-GATES FLEETRANNER	1.00	93.37
6PK1625	V BELT-RIBBED GATES	1.00	29.54
1324.05	PREMIUM BLUE 8600 5L OIL	2.00	62.80
1324.20	PREMIUM BLUE 8600 20L OIL	2.00	251.16
3683537	GASKET EGR VALVE	1.00	33.17
4089405	SET ROD BEARING (STD) 1X PAIR	6.00	740.16
4376428	KIT OVERHAUL	1.00	5,633.31

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MECHRONO Pty Ltd
PO BOX 404
SALINA NSW 2478

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CV50634	KIT - CRANKCASE VENTILATION	1.00	31.78
K066-338	BUSHING -ANTI VIBRATION MT	2.00	43.14
4309500RX	Misc	1.00	1,049.66
3685865D	CORE LUBE PUMP ISX	1.00	300.00
4336706	SCREW STUDDED FLANGE CAP	1.00	37.27
3902662	NUT HEXAGON FLANGE	1.00	6.83
4331263	HARNESS WIRING	1.00	431.35
4955383	SEAL OIL	1.00	272.61
4962721	SEAL DIAMOND STRIP	1.00	86.38
4962722	SEAL DIAMOND STRIP	1.00	76.51
BBC4	BRAKE CLEANER	3.00	12.27
3391271	LUBRIPLATE 105 GREASE 100Z TBE	1.00	11.14
3678506	SCREW HEXAGON FLANGE HEAD CAP	1.00	58.29
4299124	SEAL O RING	1.00	30.78
4299125	SEAL O RING	1.00	40.62
3680802	WASHER PLAIN VALVE	1.00	54.43
2892720	TUBE LUBE OIL DRAIN	1.00	65.90
WF2077	WATER FILTER DCA4 REP.WF2064	1.00	12.78
DCT110H1RW-1P	CABLE TIE BRAKE HOSE	6.00	23.28
FS19729	FUEL WATER SEPERATOR	1.00	19.68
40016	CLAMP-HOSE SIZE 17-38MM	1.00	2.79
211271X	BOLT/NUT KIT STG YKE	1.00	7.26
K251-571	FILTER-FREON, RECEIVER/DRYER	1.00	63.50
K207-965-6	O-RING	3.00	1.35
3684417	CLAMP V BAND	1.00	127.28
K207-965-8	O-RING	2.00	7.30
K207-965-10	O-RING	1.00	5.15
PGXLHD-20L	PGXL HD PREMIUM COOLANT 20LTR	4.00	551.44
P153551	ELEMENT	1.00	56.66
P14362-040	CLAMP-CUSHIONED 7/8" ID	2.00	3.46
DCT110H1RW-10P	CABLE TIE BRAKE HOSE (10PK)	1.00	40.67
23920-10-10	SWIVEL ELBOW	1.00	26.41
20620-8-10	FITTING	1.00	10.65
201-10/1	HOSE-125M ROLL	4.00	32.80
P14362-086	CLAMP-CUSHIONED 1-1/4" ID	1.00	2.36
4100954-1	OIL-MINERAL TRANSMISSION	8.00	45.52

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[REDACTED]

[REDACTED]

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3163075	"PAINT ""300 APEX RED"" 12.05OZ"	1.00	33.66
770214	SWITCH-PRESSURE	1.00	66.18
A/C OIL AND ORINGS	A/C OIL AND ORINGS	1.00	15.00
R134A	A/C GAS AND DYE	1.00	80.00
Parts Totals:		80.00	\$10,698.11

k039-1 Cut cylinder block liner seats if required

Cleaned the liner seats and fitted the replacement cylinder liners, Carried out a liner protrusion measure and recorded the measurements. Carried out liner seat cut and cut and shimmed the liners to the specified heights.

\$1,120.00

Part Number	Part Description	Quantity	Total Cost
5298564	SHIM	6.00	491.16
Parts Totals:		6.00	\$491.16

k039-3 Replace cylinderhead

Refer comments recorded against RO line BREAK

Part Number	Part Description	Quantity	Total Cost
5413782RX	** Replaced by 5658283PX	1.00	4,747.79
Comments: Core Return No CR6641			
3412280D	CORE CYLINDER HEAD ISX	1.00	1,900.00
Parts Totals:		2.00	\$6,647.79

K039-4 Excessive wear found on both camshafts.

Sublet (Tighe Cams) ; Cut and regrind valve and injector cams.

Replaced Injector rocker on #1 and #3, replaced intake rocker #5 and Exhaust #5.

\$1,254.54

Part Number	Part Description	Quantity	Total Cost
4311990	LEVER ROCKER INJECTOR	2.00	858.48
5484231	LEVER ROCKER	1.00	279.53
5484228	LEVER ROCKER	1.00	314.75
Parts Totals:		4.00	\$1,452.76

k032 Fuel cooler lines require replacing due to hard and brittle

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M.P. T. G. P. V. L. R.
P.O. Box 401
BALLINA NSW 2478

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Removed the clamps and ties and removed all 3 gearbox oil lines, measured the leaking oil lines and manufactured new Aeroquip lines. Fitted the new lines and secured all. Checked the transmission oil level and topped up the oil to the correct level.

\$700.00

Part Number	Part Description	Quantity	Total Cost
201-10/1	HOSE-125M ROLL	10.00	82.00
23920-10-10	SWIVEL ELBOW	7.00	184.87
P14362-008	CLAMP-CUSHIONED 3" ID	1.00	6.73
P14362-092	CLAMP-CUSHIONED 1-1/2"ID	3.00	8.73
P14362-030	CLAMP-CUSHIONED 1-3/8"ID	1.00	2.73
P14362-096	CLAMP-CUSHIONED 1-3/4"ID	3.00	9.54
P14362-040	CLAMP-CUSHIONED 7/8" ID	3.00	5.19
23920-8-10	HOSE END 90 ELBOW 37/45 D SWVL	1.00	22.80
Parts Totals:		29.00	\$322.59

k039-5

Rear engine mounts are cracked

Undone the exhaust for access, undone the rear engine mounts, supported the engine on stands and removed and replaced the rear engine mounts, lowered the engine into position and reassembled all and secured.

\$280.00

Part Number	Part Description	Quantity	Total Cost
K066-421	BUSHING SNUBBER BAR	2.00	155.06
D13-1001-4	BUSHING-REAR ENGINE BARRY	2.00	372.14
Parts Totals:		4.00	\$527.20

k039-6

Crankshaft gear has excessive wear and damage to the teeth. (Parts for this repair have been covered by Cummins Goodwill)

Found during the engine rebuild excessive damage/wear on the crankshaft gear. Support the front of the engine to be able to removed the front gearcover. Removed front gear cover to get better access for the crankshaft gear removal. Refit front gearcover after the crankshaft gear replacement and secured with new gaskets as required.

\$700.00

Sublet : (Cummins 8155777 / W154044) Remove and replace crank shaft gear.

\$967.66

Travel to site. Locate truck. Gain access to engine.

Carry out visual inspections, JSA & LOTO.

Removed crank adaptor, tone wheel and crank gear.

Cleaned all parts

Fitted new crank gear, tone wheel and crank adaptor as supplied.

Pack up, clean and return to workshop.

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M.B.T. Group Pty Ltd

PO Box 404

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Warranty Repairs/Service At No Charge

** Submitting Policy claim for gears, seals & gaskets as agreed by David Paddison in email sent to Rudi Linders 17/04/19. Refer pre approval number PA190372.

Brought the vehicle into the workshop, connected the computer and checked for logged codes, found codes 555 and 556 logged(Crankcase pressure) Connected the manometer to the engine, connected the prime mover to the test trailer, road tested the vehicle and checked the crankcase pressure. Found crankcase pressure at 20in H2O. Returned to the Workshop and carried out trouble shooting for logged crankcase pressure codes. Inspected the oil drain back ports for blockages or restrictions, inspected the turbo and charge air cooler for signs of oil. Checked oil level was not high, etc. Recovered the a/c refrigerant, drained the cooling system and disassembled and removed the radiator, removed the engine fan, belts, tensioners and horton. Disassembled and removed the ECM, intake, pipes, exhaust, pipes, turbo, intake and exhaust manifolds, etc. Removed the front cover and rocker cover, removed the upper scissor gear and removed the camshaft gears. Removed the rockers and shafts, remove the injectors

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Warranty Repairs/Service At No Charge

and removed the camshafts. Disassembled and removed the cylinder head, inspected the cylinder head for cracks or signs of failure. Cleaned the cylinder block face and carried out a liner protrusion measure. Drained the engine oil and removed the engine sump. Removed the oil pump pickup pipes, piston cooler jets, removed the piston and connecting rods, removed the cylinder liners. Found cylinders 3, 5 and 6 with broken compression rings. Cleaned and inspected all and pressure tested the cylinder head. No leaks found from the cylinder head. Found the crankshaft gear pitted and unserviceable, remove the vibration dampener and lower front cover. Found both camshafts gears, the lower scissor gear, idler gear and oil pump gears also marked and unserviceable. Cleaned the liner seats and fitted the replacement cylinder liners, Carried out a liner protrusion measure and recorded the measurements. Carried out liner seat cut and cut and shimmed the liners to the specified heights. Cleaned the block again and fitted the liner seals and fitted the liners. Carried out main bearing roll and tensioned the main bearing caps. Replaced the pistons and rings and fitted the piston and connecting rods, fitted the new big eng bearings and tensioned the big end caps. Swapped the necessary items from the old cylinder head to the replacement cylinder head, fitted the cylinder head and tensioned the cylinder head bolts. Refitted the camshafts and fitted the gears and carried out base timing. Fitted the upper and lower front covers and new front crankshaft seal. Fitted the injectors, fitted the replacement injector, intake and exhaust rockers as required and fitted the rocker assemblies, carried out the top end tune up and refitted the rocker cover. Refitted the manifolds, thermostat housing, vibration dampener, horton, engine fan, etc and reassembled the engine. Fitted the replacement oil pump and refitted the pickups and refitted the engine sump. Refitted the radiator assembly and reassembled all, refilled the cooling system and replaced the engine oil, oil and fuel filters. Vacuumed and recharged the a/c system with refrigerant. Started and ran up the engine, road tested the vehicle and checked operation, returned to the workshop and checked over the repair, ok.

Advisor: Allan Mungai

Workshop Trading Hours: Mon-Fri 6:30am to 9:15pm, Sat 8am to 12pm
*** Refrigerant trading authority number: AU13435 ***

Bank Account Details for Direct Payments:

Bank: CBA Branch: Kyogle

BSB: 062563 Account No.: 10059314 Account Name: The Brown and Hurley Group Pty Ltd

Customer's Signature

PARTS	\$20,139.61
LABOUR	\$9,100.01
MISC. CONSUMABLES	\$175.44
ENVIRONMENTAL LEVY	\$50.00
SUBLET	\$2,222.20
OTHER CHARGES	\$0.00
TOTAL GST CHARGED	\$3,168.73
TOTAL Incl. GST	\$34,855.99

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www.brownandhurley.com.au

KYOGLE | DARRA | TOWNSVILLE | COFFS HARBOUR | ROCKHAMPTON | YATALA | TOOWOOMBA | TAMWORTH | CABOOLTURE

*** DOCUMENT COPY ***

Invoice To: 2224

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Deliver To:

SERVICE TAX INVOICE

Document No.:	1461699
Document Date:	24/09/2018
Repair Order No.:	560691
RO Creation Date:	13/09/2018
Rego No.:	XN36BP
Make/Model:	2012 KENWORTH T403
Vehicle ID No.:	6F5000000CA446981
Fleet No:	
Odometer:	700042
Engine Hours:	11016
Delivery Date:	29/05/2012
Invoice To:	2224
Customer ABN:	74 483506443
P/Order No.:	
Page:	1 of 2

k015

CLUTCH ISSUE

REMOVE GEARBOX ACCESSORIES.
REMOVE GEARBOX.
REMOVE CLUTCH ASSEMBLY & FLYWHEEL.
REMOVE & REPLACE LEAKING REAR MAIN SEAL.
MACHINE FLYWHEEL.
SENT FLYWHEEL HOUSING TO BE MACHINED
HAD TO DROP SUMP TO ACCESS REAR HOUSING.
REPLACE SPIGOT BEARING.
REFIT FLYWHEEL. RUN ENGINE. REMOVE FLYWHEEL & RECHECK REAR MAIN SEAL FOR LEAKS. REFIT FLYWHEEL.
FIT NEW CLUTCH ASSEMBLY.
REMOVE & REPLACE INPUT SHAFT & BEARING.
REMOVE CROSS SHAFTS. REPLACE BUSHES. FIT NEW CROSS SHAFT.
REPLACE CLUTCH FORK & LEVER.
REPLACE CLUTCH QUADRANT.
REFIT GEARBOX.
REFIT GEARBOX ACCESSORIES AND ALL REMOVED COMPONENTS FITTING NEW GASKETS WERE REQUIRED.
KNIGHTS TOWING W118468
SUBLET ENGINE ENGINEERING, ON W118739MACHINE FLYWHEEL

\$2,740.00

\$459.00

\$230.00

Part Number	Part Description	Quantity	Total Cost
208935.530	Misc	1.00	1,588.48
4965569	KIT SEAL	1.00	251.78
K-4460-PAC	CLUTCH KIT INC KW X SHAFTS	1.00	412.41
E55-1128	LEVER-CLUTCH CONTROL	1.00	107.77
4393176	GASKET FLYWHEEL HOUSING	1.00	212.56
K2003	PIN & BUSH KIT	1.00	4.34
310473X	CL/REL ARM R/H	1.00	179.11
16980	SNAP RING	1.00	1.61
K066-421	BUSHING SNUBBER BAR	2.00	172.66
4026684	GASKET OIL PAN	1.00	425.09
D13-1001-4	BUSHING-REAR ENGINE BARRY	2.00	417.10
34X4.12NF8ZPB	GR 8 HIGH TENSILE HEX	2.00	6.32
34NFNN	NYLON S/L NUT P TYPE	2.00	1.64
34HTZPGW	HARD F436 FLAT WASHER	8.00	2.24
2866337	GASKET AFM DEVICE	1.00	24.59
3684355	GASKET EXH OUT CONNECTION	1.00	49.46

26 Burnside Road Yatala QLD 4207
Phone: (07) 3441 7000 Fax: (07) 3441 7070
yatala.service@brownandhurley.com.au
www.brownandhurley.com.au

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Invoice To: 2224

M. S. J. Group Pty Ltd

P.O. Box 40

YALLINA NSW 2478

Deliver To:

SERVICE TAX INVOICE

Document No.:	1461699
Document Date:	24/09/2018
Repair Order No.:	560691
RO Creation Date:	13/09/2018
Rego No.:	XN36BP
Make/Model:	2012 KENWORTH T403
Vehicle ID No.:	6F5000000CA446981
Fleet No:	
Odometer:	700042
Engine Hours:	11016
Delivery Date:	29/05/2012
Invoice To:	2224
Customer ABN:	74 483506443
P/Order No.:	
Page:	2 of 2

56410-1	TIE-CABLE,BLK,7	25.00	7.25
56417-1	CABLE TIE-404MMXX12.4MM BLACK	2.00	1.46
W84-1000	STRAP-HARNESS TIE	1.00	7.09
56408-1	TIE-CABLE	4.00	0.76
CSC82052	BOLT	8.00	32.24
3380368	OIL-VECTON 15W40 5LTR	1.00	31.82
Parts Totals:		68.00	\$3,937.78

Advisor: Hein Peeters

Workshop Trading Hours: Mon-Fri 6:30am to 9.15pm, Sat 8am to 12pm
*** Refrigerant trading authority number: AU13435 ***

Bank Account Details for Direct Payments:

Bank: CBA Branch: Kyogle

BSB: 062563 Account No.: 10059314 Account Name: The Brown and Hurley Group Pty Ltd

Customer's Signature

PARTS	\$3,937.78
LABOUR	\$2,740.00
MISC. CONSUMABLES	\$80.00
ENVIRONMENTAL LEVY	\$40.00
SUBLET	\$689.00
OTHER CHARGES	\$0.00
TOTAL GST CHARGED	\$748.68
TOTAL Incl. GST	\$8,235.46

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brownandhurley.com.au

KYOGLE | DARRA | TOWNSVILLE | COFFS HARBOUR | ROCKHAMPTON | YATALA | TOOWOOMBA | CABOOLTURE | TAMWORTH | BUNDABERG | MACKAY

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SERVICE TAX INVOICE

Invoice To: 2224

~~XXXXXXXXXX Pty Ltd~~

~~XXXXXXXXXX~~

~~XXXXXXXXXX NSW 2474~~

Deliver To:

Document No.:	2080590
Document Date:	22/12/2020
Repair Order No.:	678492
RO Creation Date:	15/12/2020
Rego No.:	XN36BP
Make/Model:	2012 KENWORTH T403
Vehicle ID No.:	6F5000000CA446981
Fleet No.:	
Odometer:	902009
Engine Hours:	
Delivery Date:	29/05/2012
Invoice To:	2224
Customer ABN:	74483506443
P/Order No.:	T403
Page:	1 of 2

AFT Check & repair aftertreatment fault- (bad exhaust fume smell all the time)

Connected laptop and found active code for doc aftertreatment plugged removed exhaust at front of dpf inspected in dpf and found very dirty, refitted exhaust went into ECM tests on laptop carried out ECM for dpf found code went inactive test drove truck found all okay (JS)

\$332.50

Part Number	Part Description	Quantity	Total Cost
4954905	SENSOR TEMP (COOLANT)	1.00	55.05
Parts Totals:		1.00	\$55.05

K011-5 Check & repair air leaks

Found horton solenoid air filter to be leaking out of exhaust and a old push in fitting R&R filter all ok also the supply line from the firewall to horton solenoid push in fitting was leaking replaced all ok. (DM)

\$372.40

Part Number	Part Description	Quantity	Total Cost
F09390	FILTER	1.00	123.35
169PMT-4-4	ELBOW -Q/C 90 SWV	1.00	8.65
PTCCEFB-4	CARTRIDGE BRASS 1/4" TUBE	1.00	6.14
R134A	A/C GAS AND DYE	1.20	96.00
Parts Totals:		4.20	\$234.14

K057 A/c not getting cold

Connected high and low side taps and found there to be no refridgerent in the system charged system with nitrogen and looked for leaks found the condensor to have a big hole in it removed condensor and replaced with new one replacing all orings vaccumed system and charged with 1.2kg of refrigerent carried out performance test and found A/C still not getting cold and low side not really moving referred to diagnostic chart recoved gas removed glove box R&R evaporator blocked R&R tx valve and R&R reciever drier vaccumed down and carried out leak test charged and all ok (DM)

\$944.31

Part Number	Part Description	Quantity	Total Cost
CKEN07	CONDENSOR	1.00	276.76
GD11350	TRP RECEIVER DRYER	1.00	37.40
25188997	VALVE-TX	1.00	268.04
55300918	THERMISTOR	1.00	122.85
EVX073	EVAPORATOR CORE(25188998)	1.00	300.00
0R9305-1	O-RING-A/C N010	3.00	1.11
0R9304-1	O-RING-A/C N08	2.00	0.58
0R9303-1	O-RING-A/C N06	4.00	1.20

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SERVICE TAX INVOICE

Invoice To: 2224

M E T Group Pty Ltd

PO Box 404

RAILINA NSW 2478

Deliver To:

Document No.: 2493455
Document Date: 6/06/2022
Repair Order No.: 730714
RO Creation Date: 1/06/2022
Rego No.: XN36BP
Make/Model: 2012 KENWORTH T403
Vehicle ID No.: 6F5000000CA446981
Fleet No:
Odometer: 35639
Engine Hours:
Delivery Date: 29/05/2012
Invoice To: 2224
Customer ABN: 74483506443
P/Order No.:
Page: 1 of 2

k046

Replace starter motor - supplied

: Jacked up front axle, put stand under axle and removed left hand steer wheel. Disconnected negative leads at batteries, removed leads off starter motor and removed mounting bolts and removed starter motor. Fitted new starter and connected all leads. Re connected negative leads at batteries tried to start truck, found not able to start. When switching key on, found no check engine or stop engine light to be coming on. Checked ecm fuse and ignition fuse and all fuse, found all to be okay. Checked for power and earths at ecm, all good. Checked power at exciter wire at starter, all good. Turned isolation switch off and back on, found to have check engine light and stop engine lights but no start. Removed wires off isolation switch and joined together and truck started. Fitted new switch, wired in, all good. Found check engine light on. Connected laptop, found active codes for low voltage at 2 sensors. Checked voltages, all good. Found truck not to start after sitting. Load tested batteries, all bad. Charged over night and truck started, after sitting wouldn't start, jump started truck, test drove and load tested again and failed. Replaced all batteries all good. BS

\$700.00

Part Number	Part Description	Quantity	Total Cost
61052	SWITCH - BATTERY MASTER	1.00	83.64
HCC27SC	BATTERY-DEKOR HARDCORE	4.00	1,001.84
8201063	STARTER MOTOR 39MT	1.00	531.26
Parts Totals:		6.00	\$1,616.74

k051

Check/repair steering arm bent/damaged

Removed bent tie rod end and fitted new tie rod. Carried out front wheel alignment, test drove and straightened steering wheel, replace pinch bolt. All ok BS

\$308.00

Part Number	Part Description	Quantity	Total Cost
R230593	TIE ROD ASSEMBLY	1.00	739.40
211271X	BOLT/NUT KIT STG YKE	1.00	11.46
Parts Totals:		2.00	\$750.86

K039-4

Check engine light staying on

Connected laptop, found active codes for oil pressure and intake manifold pressure. Followed trouble shooting for codes. Checked 5-volt supply at plugs, all good. Checked signal and return wires, all good. Replaced oil pressure sensor and intake manifold pressure sensor. Codes and inactive cleared, codes all good. BS

\$224.00

Part Number	Part Description	Quantity	Total Cost
2897334	SENSOR PRESSURE TEMP (EPR)	1.00	181.18
4921517	SENSOR PRESSURE (EPR)	1.00	244.75
4023KW	BUTTON-RUBBER	4.00	61.16
Parts Totals:		6.00	\$487.09

266 Summerland Way, Kyogle NSW 2474
Phone: (02) 6632 0333 Fax: (02) 6622 1644
kyogle.admin@brownandhurley.com.au
www.brownandhurley.com.au

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SERVICE TAX INVOICE

Invoice To: 2224
M E T Group Pty Ltd
PO Box 404
BALLINA NSW 2478

Deliver To:

Document No.: 2493455
Document Date: 6/06/2022
Repair Order No.: 730714
RO Creation Date: 1/06/2022
Rego No.: XN36BP
Make/Model: 2012 KENWORTH T403
Vehicle ID No.: 6F5000000CA446981
Fleet No:
Odometer: 35639
Engine Hours:
Delivery Date: 29/05/2012
Invoice To: 2224
Customer ABN: 74483506443
P/Order No.:
Page: 2 of 2

K011 Air leak under cab

Built up air, inspected, found discharge line to be leaking. Removed quarter panel, removed p clamps, removed line and fitted new line. Tested for leaks, no leaks, fitted clamps and panel all good.BS \$280.00

Part Number	Part Description	Quantity	Total Cost
K342-898-49	HOSE-TEFLON DISCHARGE 3/4"	1.00	201.53
P14362-040	CLAMP-CUSHIONED 7/8" ID	5.00	17.00
Parts Totals:		6.00	\$218.53

Advisor: Kathryn Shirley

Workshop Trading Hours: Mon-Fri 8am to 5pm, Sat 8:30am to 11:30am
*** Refrigerant trading authority number: AU41293 ***

Bank Account Details for Direct Payments: Customer's Signature
Bank: CBA Branch: Kyogle
BSB: 062563 Account No.: 10059314 Account Name: The Brown and Hurley Group Pty Ltd

PARTS	\$3,073.22
LABOUR	\$1,512.00
MISC. CONSUMABLES	\$20.00
ENVIRONMENTAL LEVY	\$8.00
SUBLET	\$0.00
OTHER CHARGES	\$0.00
TOTAL GST CHARGED	\$461.32
TOTAL Incl. GST	\$5,074.54

*** DOCUMENT COPY ***

Invoice To: 2224

M. F. J. Grose Pty Ltd

PO Box 101

BALTIMA NSW 2478

Deliver To:

SERVICE TAX INVOICE

Document No.:	2156824
Document Date:	7/04/2021
Repair Order No.:	688016
RO Creation Date:	26/03/2021
Rego No.:	XN36BP
Make/Model:	2012 KENWORTH T403
Vehicle ID No.:	6F5000000CA446981
Fleet No:	
Odometer:	916360
Engine Hours:	
Delivery Date:	29/05/2012
Invoice To:	2224
Customer ABN:	74483506443
P/Order No.:	
Page:	1 of 1

K039

Check engine light coming on

Connected laptop found fault for crankshaft speed sensor and plugged doc rewired 5v supply to sensor cleared codes carried out manual burn found black fuel filter possibly contaminated with oil ordered injector orings.(JO).

\$665.01

Part Number	Part Description	Quantity	Total Cost
3347937	SEAL INJECTOR O RING	6.00	87.48
3347939	SEAL INJECTOR O RING	6.00	81.60
3330537	SEAL INJECTOR O RING	6.00	78.72
3330538	SEAL INJECTOR O RING	6.00	81.18
FREIGHT	FREIGHT	1.00	20.00
3683537	GASKET EGR VALVE	2.00	80.82
CDP-1L	DIESEL-POWER - 1 LT	1.00	28.30

Parts Totals: 28.00 \$458.10

K039-1

replace injector orings

Washed engine bay down removed kick panels jacked up cab, removed air intake tappet cover injector, rockers, loosened valve rockers removed all 6 injectors inspected and found failed orings cleaned injector sleeves replaced all orings refitted injectors and injectors rockers carried out tune up fitted tappet cover and other accessories washed down and test drove check engine come on on test drive for stuck EGR valve carried out ECM calibration code still active removed kick panel intake hose EGR valve inspected and found seized disassembled and cleaned and unseized refitted test drove and all ok (JO).

\$1,023.15

Advisor: Bobby King

Workshop Trading Hours: Mon-Fri 8am to 5pm, Sat 8:30am to 11:30am
*** Refrigerant trading authority number: AU41293 ***

Bank Account Details for Direct Payments:

Bank: CBA Branch: Kyogle

BSB: 062563 Account No.: 10059314 Account Name: The Brown and Hurley Group Pty Ltd

Customer's Signature

PARTS	\$458.10
LABOUR	\$1,688.16
MISC. CONSUMABLES	\$40.00
ENVIRONMENTAL LEVY	\$8.00
SUBLET	\$0.00
OTHER CHARGES	\$0.00
TOTAL GST CHARGED	\$219.43
TOTAL Incl. GST	\$2,413.69

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