KENWORTH TRUCKS
A DIVISION OF PACCAR AUSTRALIA PTY. LTD.

A.B.N. 43 004 669 667

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Quality Endorsed Company
ISO9001:2000
Lic 4676
Standards Australia

29 July 2024

TO WHOM IT MAY CONCERN
Reference: Kenworth VIN 6F5000000RA488771

The current applicable ratings for this vehicle as manufactured by Kenworth Trucks for on-highway permit controlled operations are:

Gross Train Combination Mass up to and including 163.5 tonnes and/or
Gross Vehicle Mass up to and including 28.00 tonnes
(Lesser of Component Gross Vehicle Mass up to 28.00 tonnes, or,
ADR 35 braking certification Gross Vehicle Mass of 28.20 tonnes)

This GTCM rating is for roadtrain/low loader operations and is subject to the vehicle being fitted with appropriate fifth wheel, draw bar or other mechanical couplings, Refer ADR 63.
The vehicle specifications as manufactured by Kenworth Trucks were as follows, shown with current applicable component ratings:

Model	:	C509	Date of Manufacture:	July 2024	
Engine	:	Cummins X15 Euro V 600 - 615	Governed rpm:	2000	
Serial Number	:	80622570			
Max Power	:	459 kW @ 1800 rpm			
Max Torque	:	2779 Nm @ 1200 rpm			
Transmission	:	Fuller RTLO22918B			
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	:	Spicer SPL250			
Steer Axle	:	Meritor MFS73LA	Rating:	7300	kilograms
Steering Box		TRW Ross TAS85	Rating:	8200	kilograms
Front Suspension	:	Kenworth Slipper Spring 8.2t	Rating:	8200	kilograms
Steer Tyres	:	385/65R22.5	Rating:	9000	kilograms
Steer Wheels/Rims	:	12.25 x 22.5 285PCD Alloy Wheels - Steer	Rating:	9800	kilograms
		Front Axle Assembly (including Steering) Rated Capacity:		**7200**	**kilograms**
Drive Axles	:	Meritor RT52-185G	Rating:	23600	kilograms
Drive Axle Ratio	:	4.89			
Rear Suspension	:	NEWAY AD246/10	Rating:	20800	kilograms
This airbag suspension system has been certified as Road-Friendly by the Federal Office of Road Safety (FORS). Certificate No. RF2002					
Drive Tyres	:	11R22.5	Rating:	21800	kilograms
Drive Wheels/Rims	:	8.25 x 22.5 285PCD Alloy Wheels - Drive	Rating:	26840	kilograms
		Rear Axle Assembly Rated Capacity:		**20800**	**kilograms**
Wheelbase	:	6310 mm	Chassis Section:	273 x 89 x 9.5mm full insert)	High Tensile Steel (with
Rear Overhang	:	1470 mm			

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The maximum recommended operating speed is 100 km/h, for which suitable tyres must be fitted. The maximum geared road speed of this vehicle at governed engine rpm is 108 km/h, with this vehicle Road Speed Limited to 100 km/h.

HOLLAND FW70DF2 fifth wheel assembly (D-Rating 240 kN) and fifth wheel mounting angles were fitted by Kenworth Trucks as original equipment, attached in accordance with Kenworth Engineering Specifications.
This fifth wheel assembly was located at 0mm, relative to the rear axle group nominal centreline

This vehicle was manufactured with an advanced braking/safety system, which included the functions of Trailer Response Module\Electronic Stability Program\EBSS (ABS + Automatic Traction Control + Drag Torque Control).

This vehicle was manufactured with an ECEr29 compliant cab structure

This vehicle was manufactured with a Front Underrun Protection System, in the style of a Temporary FUPS device.
This vehicle was fitted with an Identification Plate (formerly known as the Compliance Plate) in accordance with ADR61.
Compliance of the identified Category NC vehicle is confirmed by the Identification Plate Approval Number stamped at the top of the plate.

Individual ADR numbers are not required when an Approval Number is provided, excepting ADR64 (Roadtrains and/or B-Doubles).
This compliance, if applicable, is shown on the Vehicle Plate.
At the time of manufacture, this truck was built complying with the requirements of a B-Double
At the time of manufacture, this truck was built complying with the requirements of a Road Train

Please note that the above statements:

- do not affect the terms of any existing signed warranty agreement 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.

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 made after manufacture must be approved under the National Code of Practise for Heavy Vehicle Modifications and if the above ratings do vary, be approved and plated by an Authorised Engineering Examiner.

The National Code of Practise for Heavy Vehicle Modifications (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 (National Code of Practise for Heavy Vehicle Modifications, Section S1).

Yours faithfully,
KENWORTH TRUCKS

Matthew Banaszak
Applications Engineer
Reference: Kenworth VIN 6F5000000RA488771