

C540

PRECIOUS METAL FOR THE MINING INDUSTRY



AUSTRALIAN MADE. WORLD'S BEST.

THE KENWORTH C540 OFF-HIGHWAY SERIES

With a requirement to meet the demands of off-highway operators in the mining sector, **Kenworth** has designed and manufactured its **biggest ever prime mover**, a truck capable of handling extreme heavy-duty workloads in harsh operating conditions.

The C540 has been developed from the successful and **durable** C510 platform to accommodate the Cummins QSK19-LTA series 19 litre engine installed with the Allison H6610 6 speed automatic transmission.

The drive train package provides performance and durability, primarily in heavy haul mine road train applications.

The C540 mining truck, in conjunction with powered trailers, has the capacity to gross **500 tonne**; the power to pull up a six to eight per cent gradient; the gearing to cruise at 80kph for 100 kilometres on the flat, and the durability to do it **all day, every day**.

The QSK19 LTA engine uses a separate water jacket for cooling the intake air, after the turbocharger, by placing the air cooler in front of the engine water jacket radiator. The dual radiator combination significantly increases the airflow required for cooling.

This is achieved with maximum frontal area, width and height, plus a continuously operating hydraulic fan. The engine fan operates at about one third of engine speed under normal cooling loads, but increases to 100% as the **engine senses higher heat loads**.

As part of the quest for **greater cooling** capacity, the radiator header tank is remote mounted, on the hood support collar.

The transmission has its own cooling package, similar in design to the main engine system, located at the rear of the cab to dissipate the transmission torque convertor or retarder heat loads. The transmission has the ability to cope with the requirement for maximum torque fast changes on the up-grades, extended hydraulic retarder braking on the down-grades and cruising on the flat.

The C540 is available in one basic arrangement: 3.3m wide for use on mine haul roads. Drive axle ratio and engine ratings options allow the **C540** to be configured to suit specific haul tasks.

As each Kenworth C540 is **custom engineered**, within the range of optional equipment, specific vehicle characteristics vary. The operational variables due to site condition, route profile and duty cycle factors all influence the detailed specifications and operation weights.

SPECIFICATIONS AT A GLANCE:

Engine:	Cummins QSK 19-litre 605 LTA producing 650hp and 2250 lbs/ft of torque
Transmission:	Mid-mounted Allison H6610 6 speed automatic with separate cooling system and retarder
Steer Axle:	Dana EF A24 10 tonne capacity
Drive Axle:	Axletech SPRC 1937 50 tonne capacity
Rear Suspension:	Kenworth KW6-120 6-rod
Tyres:	Michelin 385/95R25
Rims:	Titan 10 x 25
ROPS/FOPS:	QMW



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PACCAR AUSTRALIA

Kenworth trucks are designed and manufactured in Australia to perform in some of the toughest and most demanding applications found anywhere in the world. They are application engineered to exacting standards, using the best technology and componentry.

Kenworth, a division of PACCAR Australia, is market leader in heavy duty trucks in Australia, and exports trucks to Papua New Guinea and New Zealand. PACCAR Australia also imports the DAF range of trucks from Europe and supports both Kenworth and DAF product ranges with the extensive AllRig parts and service network, and finance through PACCAR Financial.

From its beginning in Bayswater, Victoria in 1971, Kenworth's Australian operations have developed into a world class design, development, manufacturing and testing facility incorporating advanced training services.

PACCAR Australia follows a wide range of environmentally focused policies, procedures and controls and was awarded ISO 14001:2004 certification for its Kenworth manufacturing operation in 2007.

With around 40,000 Australian made trucks delivered, Kenworth Australia provides products and services to the transport sector that are the envy of the industry worldwide.

On a whole-of-life cost basis, there are few trucks that can approach a Kenworth in helping to produce a better bottom line for your business.

THE BEST DEALER NETWORK

Kenworth has built an extensive truck dealer network across Australia that is renowned for its professionalism and excellence in the heavy duty truck industry. The Kenworth dealer network also includes highly qualified dealers in New Zealand and Papua New Guinea.



PACCAR Inc

PACCAR Inc, a Six Sigma company, is a global technology leader in the design, manufacture and customer support of high-quality light-, medium- and heavy-duty trucks under the Kenworth, Peterbilt and DAF nameplates. There are now over 1.5 million PACCAR commercial vehicles in service worldwide. It also provides financial services and information technology and distributes truck parts related to its principal business.



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