

Carlube - The heartbeat of your engine

### Technical Data Sheet

#### Robust Protective Engine Oil

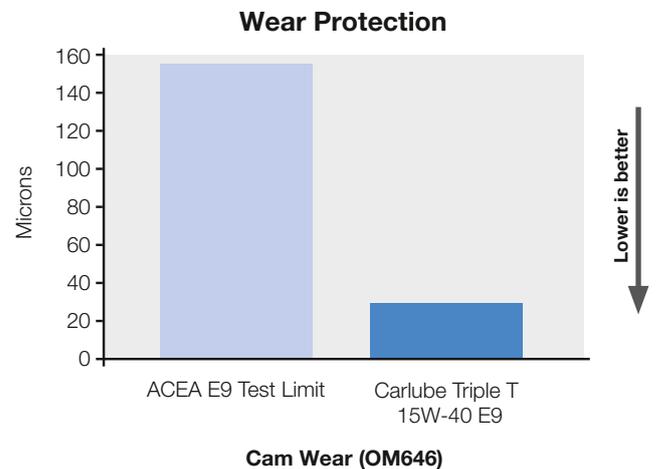
Carlube Triple T 15W-40 SHPD E9 is a mid SAPS (Sulphated Ash, Phosphorus and Sulphur) super-high performance diesel engine oil. Carlube Triple T 15W-40 E9 has been formulated for modern heavy duty engines requiring protection for aftertreatment systems. It has been developed for a range of heavy duty equipment such as commercial vehicles, agricultural and off highway vehicles.

#### Why Carlube Triple T 15W-40 E9 is a Robust Protective Engine Oil

Due to environmental changes, emission standards have been introduced along with the fitment of an array of aftertreatment systems to vehicles, in order to reduce their environmental impact. Carlube Triple T 15W-40 E9 offers excellent protection for vehicles fitted with aftertreatment devices such as diesel particulate filters. If a vehicle requires an oil meeting the requirements of the ACEA E9 specification, the oil needs to be lower in Sulphated Ash, Phosphorous and Sulphur to ensure full compatibility with the aftertreatment device.

Carlube Triple T 15W-40 E9 provides excellent soot handling and lubricant stability, keeping the aftertreatment device working efficiently. Its soot handling capabilities will also protect against sludge, deposit formation and soot build up, keeping the engine and vital components cleaner. At the same time will reduce the environmental impact by emitting less harmful emissions into the atmosphere.

Carlube Triple T 15W-40 E9 delivers robust durability throughout the service life, it has been proven to offer over 37% more protection against wear than the stringent ACEA E9 test limits.



Biodiesel can cause early oil degradation through deposit and sludge formation and oil thickening. Ultimately these factors can contribute towards engine wear and damage. Carlube Triple T 15W-40 E9 has been formulated to provide additional protection against biodiesel contamination, this prevention will result in longer oil life and protection.

**Customers using Carlube Triple T 15W-40 E9 will benefit from robust protection and aftertreatment device compatibility.**

## Exceptional Range of Performance Specifications:

Issuing Body	Performance Specification
ACEA	E9-12
API	CJ-4, SN
Daimler	MB 228.31
MAN	M3575
MTU	Type 2.1
Volvo	VDS-4
Mack	EO-O Premium Plus
Renault Trucks	RLD-3
Cummins	CES 20081
Detroit Diesel	DDC 93K218
Caterpillar	ECF-3
Deutz	DQC III-10LA

## Product Reference

Size	Part No	Barcode
5 Litre	KAF050	5010373070659
25 Litre	KAF020	5010373070666
199 Litre	KAF199	

## Properties

Property	Result	
SAE Viscosity Grade	15W-40	
Density @15°C (kg/m <sup>3</sup> )	0.88	
Kinematic Viscosity (mm <sup>2</sup> /s)	@40°C	109.1
	@100°C	14.9
Viscosity Index (VI)	137	
Pour Point (°C)	-39	
Flash Point (°C)	238	



### Environmental Protection & Safety Precautions

Do not pour used surplus oil down sewers or drains. Dispose of used or surplus oil at your nearest oil-recycling bank. Dispose of empty packs in a responsible manner. Store container in an upright position and secure when transported. Wear goggles if splashing risk. Avoid exposure to oil mist. When using oil do not eat, drink or smoke. Wash hands after use.

### Disclaimer

This Product Information Sheet does not constitute to any extent a fitness for purpose warranty or a quality specification. It is intended to be indicative only of the general characteristics of the product(s) and may not be relied upon (in whole or in part) in substitution of nor as a supplement to any of the information and/or instructions and/or warnings set out on the product(s) and/or on any packaging and/or in the relevant Safety Data Sheet (which is available on request).

Users of a product marked "For Professional Use Only" are deemed to declare and acknowledge for themselves professional levels of skill, knowledge, competence and experience in the selection and use of such product(s).

Product Information Sheets are updated from time to time and inquiries should be made on a regular basis to ensure that this is the latest version available.