

Carlube - The heartbeat of your engine

### Technical Data Sheet

#### Proven All-Encompassing Protection

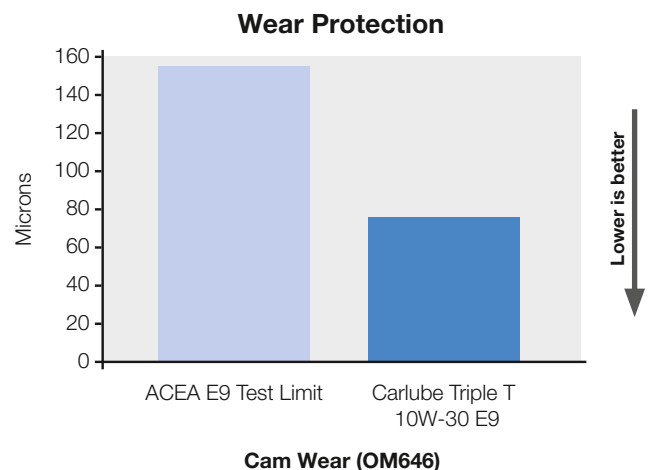
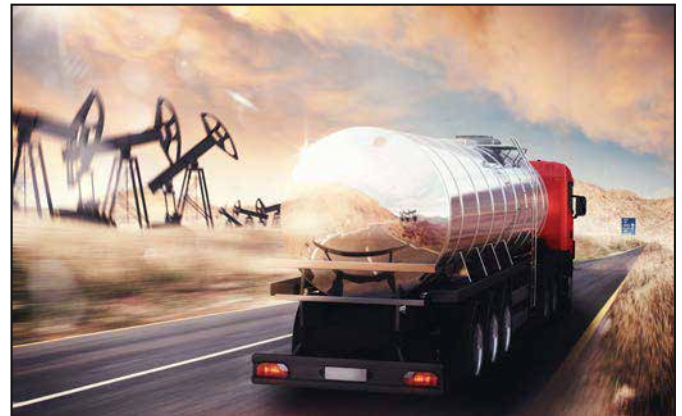
Carlube Triple T 10W-30 SHPD E9 is a mid SAPS (Sulphated Ash, Phosphorus and Sulphur) super-high performance diesel engine oil developed for use in a wide range of commercial vehicles and off highway equipment. It is also backwards compatible with older vehicles, ideal for mixed fleet application.

#### Why Carlube Triple T 10W-30 E9 is a Proven All-Encompassing Protecting Engine Oil

Carlube Triple T 10W-30 E9 offers advanced protection for exhaust gas aftertreatment devices such as diesel particulate filters (DPF) and exhaust gas recirculation (EGR) engines. It can also be used for vehicles without aftertreatment devices. Carlube Triple T 10W-30 E9 is designed to be lower in Sulphated Ash to prevent the aftertreatment device from becoming blocked and reduce the environmental impact. Oils that are not low in Sulphated Ash, Phosphorus and Sulphur can have a significant, detrimental effect on the aftertreatment devices and can ultimately cause engine damage.

Carlube Triple T 10W-30 E9 provides excellent wear control, soot handling and lubricant stability. In fact in the OM646 engine test, Carlube Triple T 10W-30 SHPD E9 delivers 53% more cam wear protection compared to the ACEA E9 specification test limits.

Carlube Triple T 10W-30 E9 also provides enhanced deposit and sludge control due to its mid SAPS formulation, keeping the engine and its components clean and running more efficiently for longer.



The lower viscosity of Carlube Triple T 10W-30 E9 can also contribute towards fuel economy improvements, compared to a 15W-40 engine oil. The oil is thinner and therefore needs less energy to be pumped around the engine.

Many fuels now contain biofuel and when engine oil is contaminated with biofuel, this can cause an increase in viscosity impacting the oils properties and wear protection. Carlube Triple T 10W-30 E9 has been formulated with a high quality additive package to provide all-round protection when the oil has been contaminated with biofuel, resulting in longer oil life and engine cleanliness.

**Customers using Carlube Triple T 10W-30 E9 will benefit from all-encompassing engine protection and aftertreatment device durability.**

## 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   | KAH050  | 5010373070710 |
| 25 Litre  | KAH020  | 5010373070727 |
| 199 Litre | KAH199  | 5010373070734 |

## Properties

| Property                                 | Result |
|--|--------|
| SAE Viscosity Grade                      | 10W-30 |
| Density @15°C (kg/m3)                    | 0.87   |
| Kinematic Viscosity (mm <sup>2</sup> /s) | @40°C  |
|  | @100°C |
| Viscosity Index (VI)                     | 145    |
| Pour Point (°C)                          | -42    |
| Flash Point (°C)                         | 234    |



### 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.