

Technical Data Sheet

All-round Performance, Efficiency and Reliability

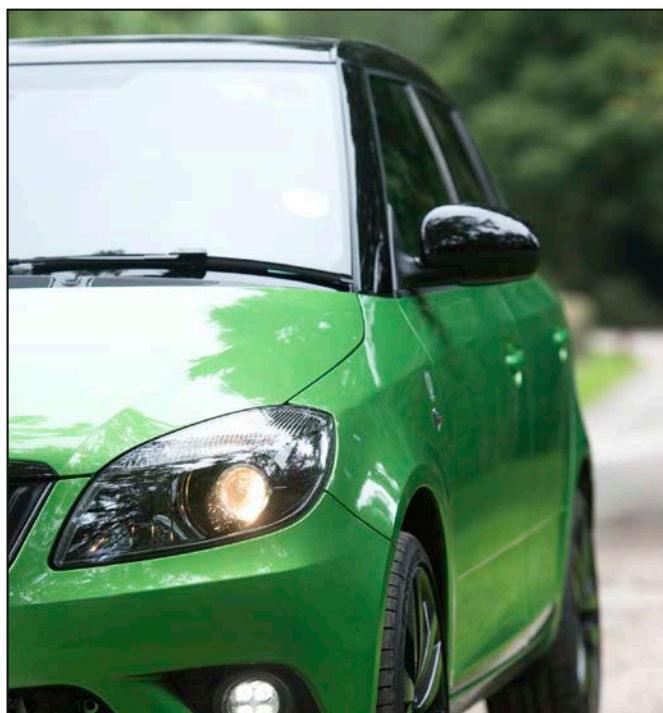
Carlube 5W-30 FE is a synthetic engine oil, giving maximum performance to provide enhanced fuel economy, proven wear protection and sludge control. This oil is suitable for use in older vehicles without after treatment devices.

Performance Benefits

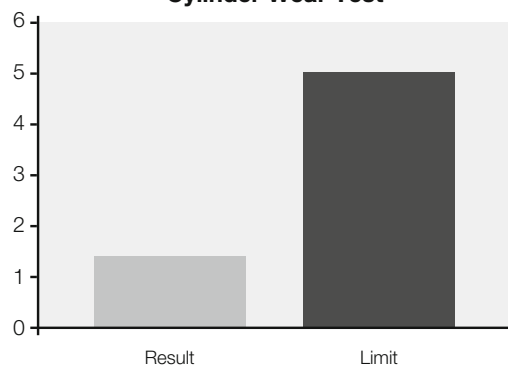
Carlube 5W-30 FE has been specially formulated to provide a number of improved benefits to vehicle owners, such as reduced running costs from fuel savings, wear protection and sludge control.

Changes in legislation and engine hardware have created the need for low viscosity engine oils. Carlube 5W-30 FE provides fuel economy gains due to the viscometric properties of this developed oil, delivering greater efficiency due to reduced friction, whilst still protecting the engine.

Carlube 5W-30 FE delivers exceptional cold flow properties, demonstrating supreme fluidity in temperatures as low as -39°C, allowing for faster lubrication of key engine components upon start-up and reduced emissions.



Cylinder Wear Test



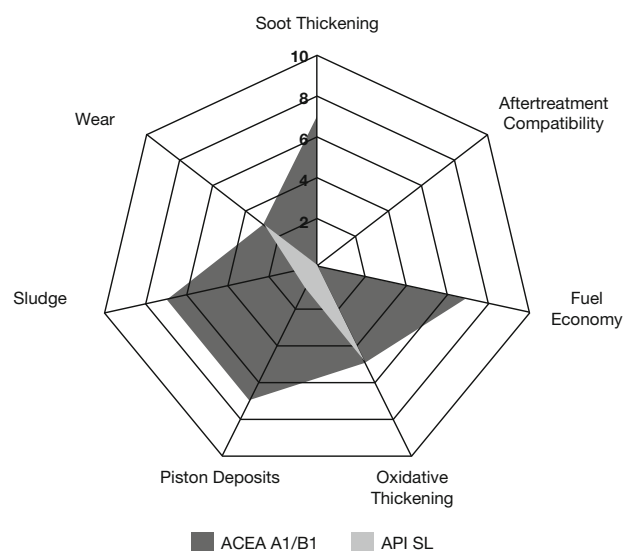
When compared to industry tests using Mercedes Benz engines, Carlube 5W-30 FE was 72% below the test limit in terms of cylinder wear, eliminating any concerns over the perceived link between lower viscosity oils and reduced engine protection. Carlube 5W-30 FE provides a continuous oil flow around the engine providing full wear protection.

Customers using Carlube 5W-30 FE will benefit from fuel savings, engine cleanliness and all-round engine protection.

Carlube 5W-30 FE Performance Specification

Issuing Body	Performance Specification
ACEA	A1/B1
API	SL

The chart (right) shows a comparison of the ACEA A1/B1 and API SL specifications. This highlights protection in all areas including engine cleanliness and sludge control, demonstrating the benefits of Carlube 5W-30 FE and reassuring engine users of the proven protection of this lower viscosity oil.



Product Reference

Size	Part No	Barcode
1 Litre	XAH010	
4.55 Litre	XAH455	
20 Litre	YAH020	
199 Litre	YAH199	

Properties

Property	Result
SAE Viscosity Grade	5W-30
Density @ 15°C	851.9kg/m3
Kinematic Viscosity (mm ² /s)	@40°C 57.09
	@100°C 10.18
Viscosity Index (VI)	168
Pour Point (°C)	-39
Flash Point (°C)	232
Sulphated Ash (%)	1.093

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.