



# Carlube 5W-40 A3/B4

**Carlube - The Heartbeat of your engine**

## Technical Data Sheet

### Proven Performance and Durability

Carlube 5W-40 A3/B4 is a fully synthetic, high performance passenger car engine oil, developed to provide enhanced wear protection and sludge control in older vehicles without after treatment devices.

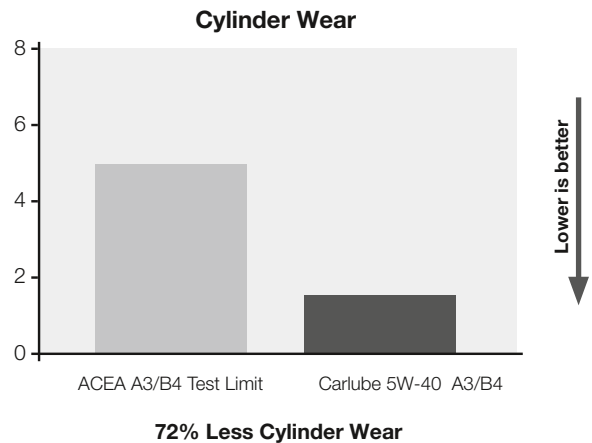
### Performance Benefits

Carlube 5W-40 A3/B4 provides robust performance with proven protection against engine wear, sludge and deposit formation.

With approvals including ACEA A3/B3, A3/B4, API SN, MB 229.1 and RN 0710/0700, Carlube 5W-40 A3/B4 meets and exceeds American and European industry-wide specifications. An oil meeting these specifications demonstrates all-round reliability for vehicle owners.

Carlube 5W-40 A3/B4 sustains engine cleanliness and prevents the accumulation of deposits on the surface of key engine components such as the pistons. Deposit build-up can cause many issues, including the impairment of component cooling and movement, and increased corrosion and engine wear.

Alongside the proven performance and cleanliness characteristics of this engine oil, Carlube 5W-40 A3/B4 provides total durability, minimising engine wear by offering over 70% more protection, compared to industry tests using a key Mercedes-Benz engine. Preventing wear in the engine can extend the life of your vehicle whilst minimising downtime.



In addition, Carlube 5W-40 A3/B4 utilises dispersant and detergent chemistry to deliver 13% more protection against sludge formation when compared to ACEA A3/B4-12 test limits. Engine sludge can negatively impact the oil flow around engine components, potentially reducing the life of your engine.

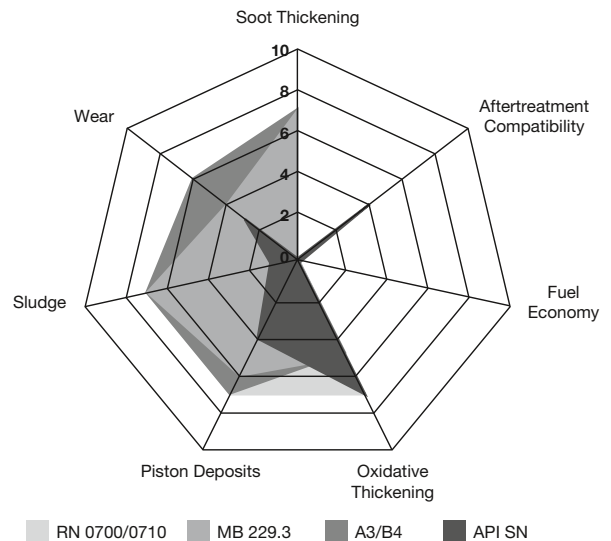
**Customers using Carlube 5W-40 A3/B4 will benefit from improved wear protection and reduced sludge and deposit formation.**



## Carlube 5W-40 A3/B4 Performance Specifications

Issuing Body	Performance Specification
ACEA	A3/B3, A3/B4
API	SN
Daimler	MB 229.3
Renault	RN 0700/0710
Volkswagen	502.00/505.00

Carlube 5W-40 A3/B4 meets key industry and OEM specification and performance requirements. The chart (right) shows a comparison of the ACEA A3/B4, API SN, Daimler MB 229.3 and RN 0700/0710 specifications. This highlights the additional protection offered in areas including oxidative thickening, sludge formation and wear protection. This provides reassurance that this 5W-40 engine oil offers the durability that is required by a passenger car engine.



## Product Reference

Size	Part No	Barcode
1 Litre	XAK010	5010373035283
4.55 Litre	XAK455	5010373074169
20 Litre	YAK020	5010373054857
199 Litre	YAK199	5010373041451

## Properties

Property	Result	
SAE Viscosity Grade	5W-40	
Density @15.6°C (g/ml)	853.6kg/m3	
Kinematic Viscosity (mm <sup>2</sup> /s)	@40°C	85.15
	@100°C	14.26
Viscosity Index (VI)	174	
Pour Point (°C)	-33	
Flash Point (°C)	236	
Sulphated Ash (%)	1.099	

### 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.