



### Enhanced Performance and LSPI Protection

Carlube Triple R 5W-30 R-Tec 23 is a fully synthetic engine oil formulated to improve Low Speed Pre Ignition (LSPI) protection and provide enhanced oxidation and corrosion performance along with protection from wear for modern engines requiring a low viscosity oil.

### Why Carlube Triple R 5W-30 R-Tec 23 is an Engine Oil with Enhanced Performance and LSPI Protection

Carlube Triple R 5W-30 R-Tec 23 has been formulated to meet ACEA C2 & PSA B71 2290 performance claims. An oil meeting these demanding specifications must demonstrate a range of performance parameters.

Carlube Triple R 5W-30 R-Tec 23 delivers excellent performance in engine protection and cleanliness. It provides high temperature deposit protection for pistons and improves sludge control. Additional benefits also include protection from soot and oxidation.

Low Speed Pre Ignition occurs in gasoline direct injection engines and is a phenomena that can happen in low speed, high torque conditions. The engine suffers a combustion event at the wrong point in the cycle, which can destroy the piston and cause an engine failure. Protection from LSPI is therefore crucial. Carlube Triple R 5W-30 R-Tec 23 provides excellent LSPI



mitigation and has performed well in engine tests. As part of the PSA B71 2290 approval, oils must pass engine tests which replicate the occurrence of LSPI. These tests measure the likelihood and possible frequency of LSPI events occurring. Carlube Triple R 5W-30 R-Tec 23 met the demands of these tests and the oil is therefore proven help to ensure engine protection from LSPI for the long service life of the fluid.

**Customers using Carlube Triple R 5W-30 R-Tec 23 will benefit from enhanced engine protection and cleanliness, as well as LSPI mitigation.**

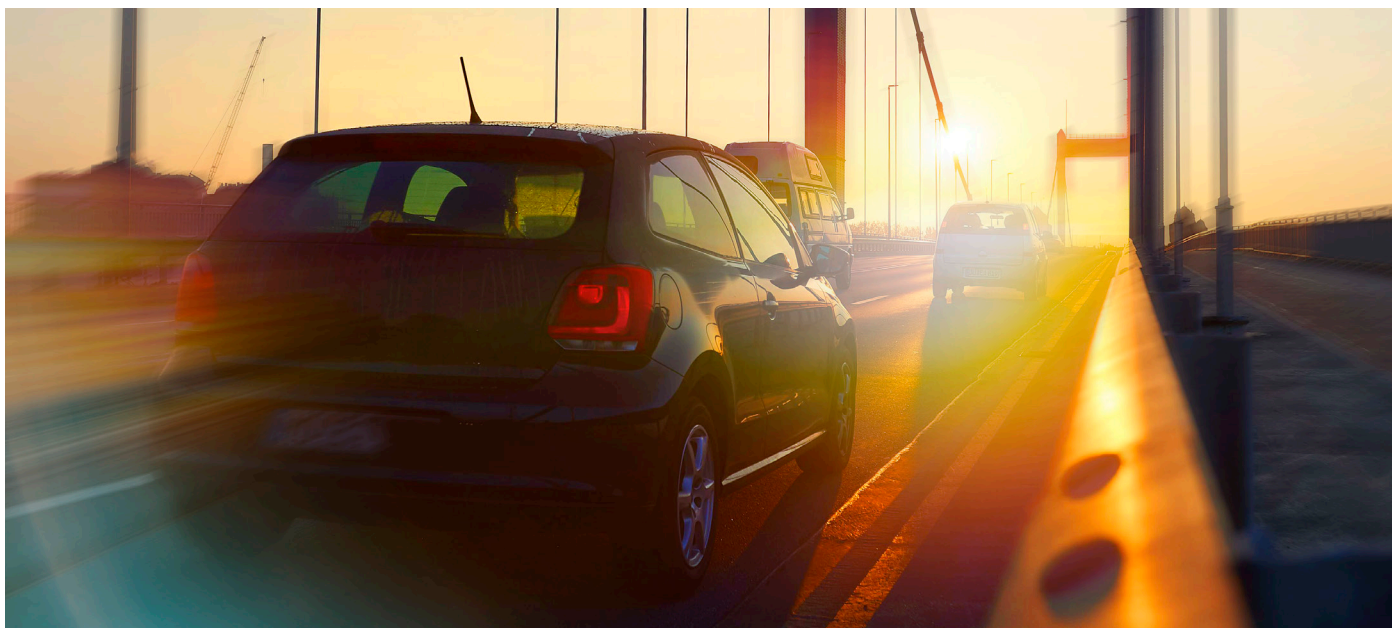


## Carlube Triple R 5W-30 Fully Synthetic R-Tec 23 Performance Specifications

Carlube Triple R 5W-30 R-Tec 23 exceeds the PSA B71 2290 specification requirements.

Issuing Body	Performance Specification
PSA	B71 2290
ACEA	C2

PSA B71 2290 has been updated significantly with oils needing to perform a number of key benefits such as LSPI protection, additional seal test requirements, oxidation requirements and aged oil protection. Due to the long oil drain interval in European vehicles, the aged oil protection that Carlube Triple R 5W -30 R-Tec 23 offers is a great benefit.



### Product Reference

Size	Part No	Barcode
1 Litre	KBY001	5010373117071
5 Litre	KBY005	5010373117088
20 Litre	KBY020	5010373117095
60 Litre	KBY060	5010373117101
199 Litre	KBY199	5010373117118
500 Litre	KBY500	N/A
1000 Litre	KBY100	N/A

### Properties

Property	Result	
SAE Viscosity Grade	5W-30	
Kinematic Viscosity (mm <sup>2</sup> /s)	@40°C	50.8
	@100°C	9.5
Viscosity Index (VI)	174	
Flash Point (°C)	232	
Sulphated Ash (%)	0.48	

#### 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.