

# Product Information



## COFRAN CHALLENGER MAX 5W-40

Ultra High Performance engine oil for a variety of diesel and petrol engines.

### Description

Fuel-saving engine oil for all-season use in light vehicles. COFRAN CHALLENGER MAX 5W-40 is a multigrade engine oil which can be used in petrol and diesel engines, with or without turbocharger. COFRAN CHALLENGER MAX 5W-40 provides excellent cold start properties and a fast oil circulation in the whole engine at low temperatures.

### Application

COFRAN CHALLENGER MAX 5W-40 may be used for passenger cars and light-duty vehicles, in naturally-aspirated or turbocharged petrol and diesel engines. COFRAN CHALLENGER MAX 5W-40 is miscible and compatible with conventional, branded engine oils. However, mixing with other engine oils should be avoided in order to fully exhaust this product's benefits. A complete oil drain is recommended when converting to COFRAN CHALLENGER MAX 5W-40. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Advantages

- Universally applicable for diesel, petrol and gas engines of a large number of manufacturers.
- Improved fuel economy because of its low viscosity and cold-temperature properties.
- Low oil consumption despite the low viscosity.
- Improved cold starting and rapid oil circulation.
- Very high thermal stability.
- Good wear resistance.
- Can be used for extended drain intervals.

### Specifications

- ACEA A3/B4
- API SN

### Recommendations

- API CF
- BMW LONGLIFE-98
- CHRYSLER MS-12991
- FIAT 9.55535-H2/M2/N2/Z2
- GM LL-A-025/LL-B-025
- MB 229.3
- RENAULT RN0700/RN0710
- VW 502 00/505 00

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## TYPICAL CHARACTERISTICS

SAE Grade	SAE J300	5W-40
Density at 15°C	DIN 51757	0.847 g/ml
Kinematic Viscosity at 100°C	ASTM D 445	14 mm²/s
Kinematic viscosity at 40°C	ASTM D 445	83.5 mm²/s
Viscosity Index	ASTM D 2270	174

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In all cases, to limit the risk of water contamination (including condensation), store drums and barrels horizontally. Do not expose packaging to strong sunlight or extreme temperatures. The information contained in this data sheet is based on FLF's experience and know-how in the development and manufacture of lubricants and other chemical products to the best of our knowledge. All chemical products must be used in the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). The performance of our products can be influenced by a range of factors, including conditions of use, application methods, operating environment, pre-treatment of components, possible external contamination, etc. For these reasons, a universal recommendation of our products is impossible. The information given in the data sheet represents general, non-binding guidelines and is provided for guidance only. No warranty, express or implied, is given concerning the properties of the product or its suitability for a given application. We therefore recommend consulting an application engineer to discuss application conditions and product performance criteria prior to use. It is the user's responsibility to test the functional suitability of the product and to use it under the appropriate safety conditions. Our products are subject to continuous improvement, with the aim of enhancing performance or bringing them into line with any new regulations. We reserve the right to modify our product ranges, our products and their manufacturing processes, as well as all the provisions of our publications, at any time and without prior notice. This data sheet cancels and replaces all previous editions. We expressly draw the attention of all users to the fact that our product has not been designed and tested for use in the nuclear and aeronautical fields ("embedded" product). Any use of our product in the aforementioned sectors is the sole responsibility of the user. Reproduction in any form requires the prior written consent of FLF, all rights reserved.