



## Mobil Super™ All-In-One Protection Formula D1 5W-30

Mobil Passenger Vehicle Lube , Australia

Full Synthetic Motor Oil

### Product Description

Mobil Super™ All-In-One Protection Formula D1 5W-30 is a full synthetic high-performance motor oil, which provides excellent high temperature protection even severe operating conditions.

The oil is designed to help provide long engine life and outstanding protection in vehicles of all ages, outperforming our conventional-synthetic blended prod provides outstanding protection against sludge, engine rust and corrosion under severe and low-temperature operating conditions and provide optimum viscosity fluidity across a broad range of temperatures.

Mobil Super™ All-In-One Protection Formula D1 5W-30 meets or exceeds API SP and ILSAC GF-6A. Those claims are backward compatible with earlier performance levels such as API SN Plus, SN and previous ILSAC categories.

Mobil Super™ All-In-One Protection Formula D1 5W-30 is approved against General Motors dexos1™ under the license D335ANDC015.

### Features and Benefits

- Helps extend engine life
- Outstanding wear protection for vehicles of all ages
- Excellent high temperature protection to help keep engines cool
- Permits extended operation at elevated temperatures (up to 400° F) without oxidative oil thickening and oil breakdown
- Helps control oil consumption and loss
- Allows easy starting and rapid oil circulation during cold starts to protect critical engine parts
- Meets or exceeds the latest industry specifications

### Applications

Mobil Super™ All-In-One Protection Formula D1 5W-30 is recommended for gasoline fueled automobiles and light duty trucks requiring an API SP, SN Plus or meets ILSAC GF-6A (Starburst Certification Symbol).

### Specifications and Approvals

#### This product has the following approvals:

GM dexos1:GEN3 Licensed

#### This product meets or exceeds the requirements of:

FORD WSS-M2C961-A1

ILSAC GF-6A

API SP

API SN PLUS

**This product meets or exceeds the requirements of:**

API SN

Chrysler MS-6395

Ford WSS-M2C946-A

Ford WSS-M2C946-B1

**Properties and Specifications**

Property	
Grade	SAE 5W-30
Viscosity Index, ASTM D2270	166
Density @ 15 C, g/ml, ASTM D4052	0.85
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	10.7
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10 <sup>(6)</sup> sec <sup>(-1)</sup> , mPa.s, ASTM D4683	3.1
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	61
Flash Point, Cleveland Open Cup, °C, ASTM D92	237
Ash, Sulfated, mass%, ASTM D874	0.8
Total Base Number, mgKOH/g, ASTM D2896	7.4
Pour Point, °C, ASTM D97	-42
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	13800

**Health and safety**

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.as>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)

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