



Mobil Super™ All-In-One Protection Formula D1 0W-20

Mobil Passenger Vehicle Lube , Australia

Mobil passenger-vehicle-lube

Product Description

Mobil Super™ All-In-One Protection Formula D1 0W-20 is a full synthetic motor oil, which provides excellent high temperature protection even under severe operating conditions. Mobil Super™ All-In-One Protection is designed to help provide long engine life and outstanding protection in vehicles of all ages. Mobil Super™ All-In-One Protection provides outstanding protection against sludge, engine rust and corrosion under severe and low temperature operating conditions and provides optimum viscosity and fluidity across a broad range of temperatures.

Mobil Super™ All-In-One Protection Formula D1 0W-20 meets or exceeds ILSAC GF-6A and API SP. Those claims are backward compatible with earlier performance levels such as API SN Plus, SN, SM, SL, and SJ and previous ILSAC categories.

Mobil Super™ All-In-One Protection Formula D1 0W-20 is approved against GM dexos1™ Gen 3 under the license D335BHDB015.

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 0W-20 recommended for gasoline fueled automobiles where a 0W-20 viscosity is required. It meets or exceeds requirements of API SP and ILSAC GF-6A.

Specifications and Approvals

This product has the following approvals:
GM dexos1:GEN3 Licensed

This product meets or exceeds the requirements of:
API SN

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

API SN PLUS

API SP

ILSAC GF-6A

FORD WSS-M2C962-A1

Chrysler MS-6395

Ford WSS-M2C947-A

Ford WSS-M2C947-B1

**Properties and Specifications**

Property	
Grade	SAE 0W-20
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	2.6
Mini-Rotary Viscometer, Apparent Viscosity, -40 C, mPa.s, ASTM D4684	23100
Pour Point, °C, ASTM D97	-45
Total Base Number, mgKOH/g, ASTM D2896	7.4
Ash, Sulfated, mass%, ASTM D874	0.75
Flash Point, Cleveland Open Cup, °C, ASTM D92	241
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	45
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	8.4
Density @ 15 C, g/ml, ASTM D4052	0.845
Viscosity Index, ASTM D2270	168

**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 properties 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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