

TECHNICAL DATA SHEET | AUTOMOTIVE

Engen Multigrade 20W-50

*Engine Crankcase Oil Suitable For Use in Higher
Mileage Vehicles*



PETRONAS

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Description

Engen Multigrade 20W-50 is a robust engine crankcase oil suitable for use in older, high mileage mixed fleets of cars, minibus taxis, light commercial vehicles, and contractor equipment where oil consumption is of concern. It provides benefits during starting and warm-up as well as the advantages of a multigrade oil.

Being a SAE 20W-50 viscosity oil, it gives good high temperature performance by providing a thicker oil film on bearing surfaces as well as better sealing of piston rings. It exceeds API Service Classification SL/CF.

Benefits & Features

- Excellent protection against wear and corrosion.
- Keeps engines clean.
- Reduces oil consumption.
- Maintains optimum viscosity at all temperatures.
- Smooth engine operation.

Application

Engen Multigrade 20W-50 is recommended for older naturally aspirated petrol and diesel engines of passenger cars, minibus taxis, light commercial vehicles and contractor equipment involved in start/stop operations with short service intervals. It can also be used as a non-extreme pressure gear lubricant where engine oils of the same quality and viscosity range are recommended.

Engen Multigrade 20W-50 should not be used in extended service applications. Always consult the manufacturers operating manual to confirm the suitability of the lubricant for a particular vehicle.

Performance Level

Meets or exceeds the following Industry Standards:

- API SL/CF



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Typical Physical Characteristics

ENGEN MULTIGRADE 20W-50			
PARAMETERS	METHODS	UNITS	TYPICAL VALUES
SAE No.	-	-	20W-50
Viscosity @ 40°C	ASTM D445	cSt	160
Viscosity @ 100°C	ASTM D445	cSt	17
Viscosity Index	ASTM D2270	-	120
Flash Point	ASTM D92	°C	234
Pour Point	ASTM D5950	°C	-30
Total Base No.	ASTM D2896	mgKOH/g	9.0
Sulphated Ash	ASTM D874	% m/m	1.0

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to Engen's specification, variations in these characteristics may occur.

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Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil, or water. For further detail regarding storage, safe handling, and disposal of product, please refer to Product SDS. Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility shall be taken by either Engen or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortuous action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representatives in the event you require any further information.

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