

TECHNICAL DATA SHEET | AUTOMOTIVE

Engen Dieselube 500 Series

Monograde Heavy Duty Crankcase Engine Oils



Description

An advanced series of monograde high-performance diesel engine crankcase oils formulated to counter the toughest conditions found in diesel engines, from naturally aspirated to older turbocharged units, used in contractor, agricultural and commercial automotive vehicles on and/or off the road. They have excellent resistance to bore polishing, a high level of wear protection, efficiently control sludge and deposits providing superior engine cleanliness at extended oil drain intervals.

Benefits & Features

- Long engine life and low maintenance costs.
- Excellent protection against wear and corrosion.
- Outstanding control of high temperature deposits.
- Good control of low temperature sludge and deposits.

Application

It is suitable for most current generation naturally aspirated and older turbocharged diesel engines. The Dieselube 540 is suited for Detroit Diesel two stroke engines, in particular the 149 Series Engines requiring a lubricant sulphated ash level of maximum 0.9% by mass. The low sulphated ash level minimises exhaust valve and inlet port deposits while greatly reducing liner and ring face scuffing.

Engen Dieselube 550 is approved for use in certain final drives and Fuller transmissions, whilst Engen Dieselube 510 is widely used in hydraulic systems and torque converters. The Engen Dieselube 500 series are Allison C-4 approved.

Performance Level

Meets or exceeds the following Industry Standards:

- API CF/SF
- ACEA E2-96

Meets or Exceeds Approvals & Specifications:

- Allison C-4
- Caterpillar T0-2
- Mack E0-K2
- MAN 270
- MB 228.0
- MTU (Type 1)
- Komatsu



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Typical Physical Characteristics

ENGEN DIESELUBE 500 SERIES						
PARAMETERS	METHODS	UNITS	TYPICAL VALUES			
			510	530	540	550
SAE No.			10W-20	30	40	50
Viscosity @ 40°C	ASTM D445	cSt	36	90	127	244
Viscosity @ 100°C	ASTM D445	cSt	6,0	11,0	13,5	19,9
Viscosity Index	ASTM D2270	-	100	100	100	100
Flash Point	ASTM D92	°C	220	220	230	230
Pour Point	ASTM D5950	°C	-30	-18	-18	-15
Total Base No.	ASTM D2896	mgKOH/g	6,0	6,0	6,0	6,0
Sulphated Ash	ASTM D874	% m/m	0,9	0,9	0,85	0,9

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.

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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