



Valor[®] 320 Monograde

Efficient performance heavy-duty monograde diesel engine oil

Product Data Sheet

Product description

Valor 320 Monograde SAE 40 is an efficient performance heavy-duty monograde diesel engine oil formulated with a high level alkaline reserve (20 Base Number).

Valor 320 Monograde is suitable for both naturally aspirated and turbocharged heavy-duty diesel engines operating on high sulphur distillate fuels where API CF performance is required.

Customer benefits

- Alkaline reserve neutralises corrosive acids formed by high-sulphur fuel combustion, increasing oil drain intervals
- Metallo-organic anti-wear additives protect engines under all service conditions
- Metallic detergency and ashless dispersancy resist high temperature piston ring deposit formation
- Oxidation stability prevents in-service oil degradation, thickening and oil line and filter plugging

Applications

- Diesel engines (high-speed, four-stroke, turbo-charged or naturally aspirated)
- Commercial road transport
- Off-highway vehicles
- Agricultural tractors
- High speed diesel engines in marine service (fishing, river transport, etc.)
- Generator sets

Approvals and performance specifications

Performance specifications

- API CF

Product highlights:

- High alkalinity reserve
- Neutralises acids formed by high-sulphur fuel combustion
- Prevents wear and deposit formation
- Selected specification standards include:
 - API

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Typical test data

VALOR 320 MONOGRADE TEST	TEST METHODS	RESULTS
Viscosity Grade		40
Product Code		500835
Density, 15 °C, kg/l	ASTM D4052	0.89
Kinematic viscosity, 100 °C, mm ² /s	ASTM D445	14.5
Total Base Number, mg KOH/g	ASTM 2896	21
Elemental Analysis		
- Calcium, %wt	X-Ray/ICP	0.77
- Zinc, %wt	X-Ray/ICP	0.055

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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