

Valor[®] 320 Monograde

Efficient performance heavy-duty monograde diesel engine oil



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 and product features

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.

Product features

- 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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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, performance and recommendations

Performance specifications:

- API CF

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Typical test data

VALOR 320 MONOGRADE		
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

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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