



PRODUCT INFORMATION & DATA SHEET

Devo 20W-50 CH-4 SHPD

Our high-performance diesel (SHPD) engine oil formulated with selected base oils and a modern additive package to protect diesel engines operating in both on- and off-highway with extended service conditions. It delivers exceptional protection even under adverse conditions that challenge wear control, thermal stability, and soot-handling capabilities. Additionally, this oil offers optimized defense against non-ferrous corrosion, oil thickening, foaming, and viscosity loss due to mechanical shear stress. With outstanding antioxidation and dispersant properties, it ensures engine cleanliness by preventing sludge and deposits accumulation, ultimately extending engine life.

Industry & Performance Levels

API CH-4/SL, ACEA A3/B4, ACEA E7, MAN 3275-1, Mack EO-M Plus, MB 228.3, MTU Type 2, Renault RLD-2, Volvo VDS-3

Key Benefits

- Advanced additives protect against valvetrain wear, bore polishing and ring sticking.
- Excellent stay-in-grade viscosity maintains oil performance under demanding conditions.
- Extended TBN reserves supported extended oil drain performance and protection.
- Low evaporation loss helps reduce oil consumption and scaling, ideal for long life intervals.
- Optimized protection against corrosion, foam, sludge, oil degradation and thickening.
- Outstanding low-temperature performance protects against start-up wear and corrosion.
- Suitable for use in turbocharged common rail direct injection (CRDI) engines.
- SHPD properties allowing optimal oil film resilience in boundary lubrication conditions.

Areas of Application

For on-highway and off-highway, naturally aspirated and turbocharged, light- and heavy-duty diesel engines in trucks, buses, vans, and working machinery where the manufacturer recommends using an API CH-4 diesel oil. Suitable for gasoline engines.

Service Recommendation

Follow the oil drain interval required by the respective manufacturers. Observe the owner's manual booklet. Recommend to flush before add in new oil. Change oil filter at time of oil change.

Commercially Available Product Compatibility

Our diesel engine oil is compatible with any synthetic and conventional engine oil. Maximum performance is assured only when used on its own, without being mixed with other oils.

Typical properties

<u>SAE Viscosity</u>		<u>20W-50</u>
Viscosity Index (VI)	ASTM D2270	136
Viscosity at 100 °C; mm ² /s	ASTM D445	20.2
Viscosity at 40 °C; mm ² /s	ASTM D445	175.0
Density at 15 °C; kg/m ³	ASTM D4052	873.0
HTHS Viscosity at 150 °C; mPa.s	ASTM D4683	> 3.5
CCS Viscosity at -15 °C; cP	ASTM D5293	< 10000
Flash Point; °C	ASTM D92	242
Pour Point; °C	ASTM D97	-32
Sulfated Ash; mass%	ASTM D874	1.2
Total Base Number; mgKOH/g	ASTM D2896	9.8

The information show herein is subject to change without noticed. The product indicated here have been developed by PRINCE LUBRICANTS for use in the areas of applications shown. We reserve all right to alter the characteristics and product properties to align with continually technical development.

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