

NORDIC PERMANENT 20W/50

Heavy Duty Diesel Engine Oil

NORDIC PERMANENT 20W/50 is a high performance universal mineral engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

NORDIC PERMANENT 20W/50 is formulated on high refined solvent base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particulate Filter (DPF).

NORDIC PERMANENT 20W/50 meets the following performance criteria:

API CG-4

ACEA E2

MB 228.1

MAN M 271

Volvo VDS

MTU Type 1

Renault RD

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	20W-50
Density @15°C	kg/m ³	ASTM D4052	884
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	152
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	18.1
Viscosity Index		ASTM D2270	132
Viscosity CCS @-15°, max.	cP	ASTM D5293	9500
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-27
Total Base Number	mgKOH/g	ASTM D2896	8.9
Sulphated Ash	%Wt	ASTM D874	1.26
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