

ROLF Optima Diesel 15W-40 CI-4/SL motor oil

Mineral

Description and uses:

All-season high-grade mineral motor oil specially designed for diesel car and truck engines including turbocharged, multivalve, and direct-injection engines.

Provides high protective and detergent properties, fuel economy through frictional loss reduction, especially at engine start and in idle mode.

Meets:

API CI-4/CH-4/SL, ACEA E7-08, ACEA A3/B4-10, MB 228.3, MAN 3275, Volvo VDS-2/VDS-3, Renault RLD-2/RD-2, Mack EO-M+, CES 20077/20078, CAT ECF-1a, Deutz DCQ-II, MTU 2.0

Available package: 1 / 4 / 20 / 208 l

Typical Analysis:

Properties	Method	Value
SAE (J300)		15W-40
Oil classification according to API		CI-4/SL
Density at 20°C, g/cm ³	ASTM D 4025	0.886
Kinematic viscosity at 100°C, mm ² /s	ASTM D 445	14.3
Viscosity index	ASTM D 2270	138
Total Base Number (TBN), mg KOH/g	ASTM D 2896	11.4
Sulphated ash, %	ASTM D 874	1.4
Flash point, °C	ASTM D 92	230
Pour point, °C	ASTM D 97	minus 29



√ Engine protection

√ Excellent detergent properties