



HICKS oils
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CI-4/SL Multi-grade Diesel Motor Oils

FORMULA 500® CI-4/SL Multi-grade Diesel Motor Oils are for use in diesel engines under service conditions from mild to heavy duty with fuel of any sulfur level. These oils are recommended for use in nearly all two- and four-cycle diesel applications. The current formulations meet API CI-4/SL specifications and are also recommended for use in older API service classifications, Mack specifications EO-M Plus and Cummins CES 20078.

FORMULA 500® CI-4/SL Multi-grade Diesel Motor Oils also meet the performance requirements of Allison C-4 and Caterpillar TO-2 as well as meeting the CATERPILLAR® ECF-1 specification.

These oils should not be used in CATERPILLAR® TO-4 applications, two-cycle gasoline engines, aircraft engines, or EMD Diesel engines.

Typical Properties:

Product: FORMULA 500® CI-4/SL Multi-grade Diesel Motor Oils			
API Classification	CI-4/SL	CI-4/SL	CI-4/SL
SAE Viscosity Grade	15W-40	15W-40	15W-40
Product Code	41119	42119	43119
TBN (ASTM D-2896)	9.4	10	12
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	14.3	13.8	14.0
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	102.9	103.9	105.0
Viscosity Index (ASTM D-2270)	141	135	140
API Gravity (ASTM D-1298)	29.0	29.1	29.0
Pour Point °C (°F) (ASTM D-97)	-18(0)	-18(0)	-18(0)
Flash Point °C (°F) (ASTM D-92)	222(431)	222(431)	222(431)