



Hicks Oils  
845 N. Hickory  
DuQuoin, IL 62832

Sales: (314) 525-2568  
Operations: (618) 542-5431

# FORMULA 500

## CI-4/SL Multigrade Diesel Motor Oils

**Formula 500**® CI-4/SL 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 formulation is licensed by the API as a CI-4/SL motor oil and also is recommended for use in older API service classifications, Mack specifications EO-M Plus and Cummins CES 20078. Formula 500® CI-4/SL diesel motor oils are also meets the performance requirements of Allison C-4 and Caterpillar TO-2; in addition they meet 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 Motor Oil		
API Classification	CI-4/SL	CI-4/SL 15W-40	CI-4/SL 15W-40
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)