



Hicks Oils
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FORMULA 500

Formula 500® CJ-4/SM Multigrade Motor Oil

Formula 500® CJ-4/SM motor oil is for use in diesel engines under service conditions from mild to heavy duty with fuel of any sulfur level. This oil is recommended for use in nearly all two- and four-cycle diesel applications. The current formulations meet all API Service Classifications up to CJ-4 including CI-4, CI-4 PLUS, and CH-4. Formula 500® CJ-4/SM 15W-40 is also suitable where Cummins CES 20081, CAT: ECF-3 and ECF-1-a, ACEA: E7-04 Issue 2 (2007) and E9-08 (2008) specifications are demanded.

Formula 500® 15W-40 motor oil is licensed by the API as a CJ-4/SM motor oil and holds formal approvals for Mack EO-O Premium Plus, Detroit Diesel DDC 93K218, Volvo VDS-4 and Renault VI RLD-3. These formal approvals demonstrate the commitment of **Formula 500®** to produce quality products on the leading edge of lubrication technology.

This oil should not be used in Caterpillar TO-4 applications, two-cycle gasoline engines, aircraft engines, or EMD Diesel engines.

Typical Properties:

Product	Formula 500 CJ-4/SM 15W-40
Product Code:	61119
SAE Viscosity Grade	15W-40
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	15.0
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	111.0
Viscosity Index (ASTM D-2270)	140
Total Base Number (ASTM D-2896)	8.3
Flash Point °C (°F) (ASTM D-92)	232,(449)
Pour Point °C (°F) (ASTM D-97)	-36,(-33)
Zn (ppm)	1218
Ca (ppm)	2277
P (ppm)	1094