



Hicks Oils
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FORMULA 500

Formula 500® CJ-4/SM Multigrade Motor Oil 10 TBN

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. This formulation for API service level CJ-4 15W-40 has a boosted TBN level that may provide longer drain intervals.

Formula 500® CJ-4/SM 15W-40 is also suitable for use when a fluid with the following specifications are recommended:

- API CJ-4/SM
- Mack EO-O Premium Plus
- Detroit Diesel DDC 93K218
- Volvo VDS-4
- Renault VI RLD-3
- Cummins CES 20081
- CAT: ECF-3 and ECF-1-a
- ACEA: E7-04 Issue 2 (2007) and E9-08 (2008)

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

Typical Properties:

Product	API CJ-4/SM 15W-40 10 TBN
Product Code:	90194
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)	10.0
Flash Point °C (°F) (ASTM D-92)	232,(449)
Pour Point °C (°F) (ASTM D-97)	-25,(-13)
Zn (ppm)	1218