



HICKS oils
845 N. Hickory
DuQuoin, IL 62832

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

F O R M U L A



CI-4+ /SL 15W-40 11 TBN Motor Oil

FORMULA 500® CI-4+ /SL 15W-40 11 TBN Motor Oil is blended using premium quality Group II base stocks. These premium base stocks provide additional thermal stability and low temperature pumpability above the typical properties found in products blended in Group I base stocks.

FORMULA 500® CI-4+ /SL 15W-40 11 TBN Motor Oil also meets the performance specifications for

- API SJ, CI-4, CH-4
- ACEA E7-04 (2004)
- ACEA E3-96 Issue 4 (2002)
- ACEA B3-98 Issue 2 (2002)
- ACEA E5-02 (2002)
- CAT® ECF-1-A, ECF-2
- Cummins CES 20078, 20077, 20076
- Cummins CES 20072
- Cummins CES 20071
- Detroit Diesel DDC 93K214
- Global DHD-1
- Mack EO-N Premium Plus
- MAN 271, MAN 3275
- MB-Approval 228.1, 228.3, 229.1
- MTU Type 1, Type 2
- Volvo VDS-3

FORMULA 500® CI-4+ /SL 15W-40 Motor Oil has increased detergency to fight soot thickening and carbon deposits; both problems that are common in the newer models of diesel engines. The increased level of detergent gives this product a sulfated ash content of 1.5% which is the maximum allowed for the CAT® ECF-1-A specification. With the addition of increased oxidation inhibitors, this higher detergent level yields oil with an extended drain interval in excess of 30,000 miles.

Always follow manufacturer’s recommendations for API quality and drain intervals.

Typical Properties:

Product: FORMULA 500® CI-4+ /SL 15W-40 Motor Oil	
SAE Viscosity Grade	15W-40
API Classification	CI-4+/SL
Product Code	10002
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	15.9
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	125.6
Viscosity Index (ASTM D-2270)	136
Total Base Number (ASTM D-2896)	11.47
API Gravity (ASTM D-1298)	29.1
Sulfated Ash	1.47