



Spectrol™

Technical Data Sheet

www.spectrolusa.com

PRODUCT

Spectrol CI-4 Plus/SL 15W-40 13 TBN

FEATURES/BENEFITS

- Formulated for diesel and gasoline engines using quality conventional base oils and carefully selected additives to provide the ultimate in engine protection.
- Provides superior thermal and oxidation stability, corrosion and valve train-wear protections, and prevents sludge formation.
- Excellent protection for metal components from rust, corrosion and wear.
- Superior TBN retention.

APPLICATIONS

SPECTROL CI-4 Plus/SL 15W-40 13 TBN provides excellent protection against wear, long life performance and soot reduction. It is specifically designed to withstand the rigorous requirements of exhaust gas recirculation (EGR) engines. A special formulation and advanced additive chemistry provides long lasting protection for both turbocharged and naturally aspirated diesel and gasoline engines. It is formulated for extended service/extended drain when operated under typical operating conditions.

SPECTROL CI-4 Plus/SL 15W-40 13 TBN meets or exceeds the API CI-4 Plus/SL Service Classification as well as the CI-4/SL, CH-4, and previous API Service Classifications; Global DHD-1; JASO DH-1, and is engineered to meet Caterpillar, Cummins, DaimlerChrysler (Mercedes Benz), Detroit Diesel, Mack, MAN, Navistar and Volvo.

Always consult your vehicle's owner's manual when selecting the appropriate viscosity and service grade.

SPECIFICATIONS/APPROVALS

- Please refer to the application chart on page 2.

TYPICAL PHYSICAL PROPERTIES

15W-40 CI-4 Plus/SL	Typical Results
Density @ 15.6°C	7.33 lbs/gal
Specific gravity @ 15.6°C	0.880
Viscosity @ 100°C	15.8 cSt
Viscosity @ 40°C	115 cSt
Viscosity Index	140
Flash Point (PMCC), °C	215
Pour Point (D97), °C	-30
CCS Viscosity @ -20 °C	6500 cP
TBN, mgKOH/g	13.0

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ADDITIONAL INFORMATION

Please use proper handling and care that you would use with any motor oil.

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Spectrol CI-4 Plus/SL 15W-40 13 TBN Recommended Applications

SPECIFICATIONS	15W-40 CI-4 Plus
API:	
CI-4 Plus	√
CI-4, CH-4, CG-4	√
CF-4	√
CF-2 [1] CF/CD	√
SL/SJ/SH [2]	√
Allison C-4, C-3	√
Mil-PRF-2104G(AA52306)	√
Mil-L-2104-B, Mil-L-46152	√
Caterpillar TO-2	√
ECF-1, SEBU 6250	√
Mack	
EO-N Premium Plus 03	√
EO-N Premium Plus	√
EO-M, EO-M Plus	√
Cummins	
CES 20078, 76, 71	√
CES 20077, 72	√
JASO	
DH-1	√
Global DHD-1	√
Navistar TSI-99-12	√
Detroit Diesel	
93K214	√
7SE270 [3]	√
Daimler Chrysler 228.5	√
DC(MB) 228.3, 228.2	√
ACEA	√
E7,6,5,4,3,2,1	√
Volvo	
VDS-3, 2	√
Renault RDL-3	√
Man 3275/3277	√
270/271	√
MTU Type I, Type II, Type III	√

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