



Spectrol™

Technical Data Sheet

www.spectrolusa.com

PRODUCT

Spectrol HDD 20W-50 CI-4/SL

FEATURES/BENEFITS

- High performance engine oil formulated for use in diesel engines where the fuel sulfur content is as great as 0.5% and is fully compatible with API service categories and engine models previous to CI-4.
- Manufactured using highly refined paraffinic base oils and select additives providing superior soot dispersancy, thermal and oxidative stability, corrosion and valve train-wear protection, and will prevent the formation and accumulation of deposits and sludge.
- Superior TBN retention.

APPLICATIONS

Spectrol HDD 20W-50 CI-4/SL is specifically engineered to meet the manufacturers' prerequisite for performance, TBN, and balanced ash requirements. It will deliver superior long-lasting protection for both turbocharged and naturally aspirated diesel and gasoline engines, including those engines that have exhaust gas recirculation (EGR) systems. It is formulated for extended service/extended drain when operated under typical operating conditions and is engineered to help promote fuel economy.

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

HDD 20W-50 CI-4/SL	Typical Results
Density @ 15.6°C	7.34 lbs/gal
Specific gravity @ 15.6°C	0.882
Viscosity @ 100°C	20 cSt
Viscosity @ 40°C	180 cSt
Viscosity Index	130
Flash Point (PMCC), °C	220
Pour Point (D97), °C	-21
CCS Viscosity @ -15 °C	5500 cP
TBN, mgKOH/g	10.0

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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 HDD 20W-50 CI-4/SL Recommended Applications

SPECIFICATIONS	20W-50 CI-4/SL
API:	
API:	
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-2	√
ECF-1, SEBU 6250	√
Mack	
EO-N Premium Plus	√
EO-M, EO-M Plus	√
Cummins	
CES 20078, 76, 71	√
CES 20077, 72	√
JASO	
DH-1	√
Navistar TSI-99-12	√
Detroit Diesel	
7SE270 [3]	√
Daimler Chrysler	
DC(MB) 228.3, 228.2	√
ACEA	
E7,6,5,4,3,2,1	√
Volvo	
VDS-3	√
VDS-2	√
Man	
3275-1	√
MTU	
Type I	√

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