



PRODUCT DATA SHEET

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GIBRALTAR 15W/40 SUPER S-3 LX

PREMIUM SYNTHETIC-BLEND DIESEL ENGINE OIL FOR MAXIMUM PROTECTION

Gibraltar 15W/40 Super S-3 LX is a super premium synthetic-blend heavy duty diesel engine oil surpassing the requirements of the recently released API (American Petroleum Institute) CK-4 specification, Mack EO-4.5, Caterpillar ECF-3, Cummins 20086, Detroit Diesel 93K222 and Volvo VDS-4.5 specifications.

API CK-4 oils are especially effective at sustaining emission control system durability where particulate filters and other advanced aftertreatment systems are used. API CK-4 oils are designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

Gibraltar Super S-3 LX provides users with the following benefits:

- Fully compatible with Diesel Particulate Filters and Diesel Oxidation Catalysts
- Reduced Oil Consumption
- Increased Valve Train and Bearing Protection
- Outstanding Shear Stability for “stay-in-grade” performance
- Excellent soot control
- Robust Detergency (TBN) Level

The end result for equipment owners is: longer lubricant life and longer engine life.

APPLICATIONS/SPECIFICATIONS

API CK-4,CJ-4,CI-4, CI-4 Plus CH-4, CG-4, CF-4, CF
ACEA E9-16, E9-08 & E7-04
Caterpillar ECF-3, ECF-2, ECF-1a,TO-2
Cummins CES 20086, 20081,20077 & 20076
Detroit Diesel 93K222, 93K218, 93K214, 7SE270, PG PGOS
Deutz DQC III-10 LA
JASO DH-2
Mack EOS-4.5, EO-O Premium Plus, EO-M, EO-N Premium Plus
MAN 3575
Mercedes-Benz 228.31
MTU MTL 5044 Type 2.1
Renault VI RLD-3
Volvo VDS-4.5, VDS-4, VDS-3, VDS-2

TYPICAL INSPECTIONS

Sulfated Ash, % Weight	1.0
Viscosity, cSt @ 100°C	15.5
TBN, ASTM D-2896	10.1
Calcium, % Weight	0.105
Magnesium, % Weight	0.1
Zinc, % Weight	0.127
Phosphorus, % Weight	0.115
Molybdenum	0.066