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PRODUCT DATA SHEET

XL ENGINE OIL 15W40 CJ-4 OEM APPROVAL

Product Code 12610

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DESCRIPTION

XL Heavy Duty Diesel Engine Oil LSAPS 15W40 CJ-4/SM is specifically formulated to meet the requirements of EPA 2007 compliant diesel engines equipped with after treatment devices such as diesel oxidation catalysts and particulate filters. This oil provides unsurpassed control of soot, protection for highly stressed piston rings and cylinder liners as well as exceptional protection of valve train systems used in modern diesel engines. The lower phosphorous level and lower sulfated ash content will also suit the needs of mixed fleet operators, including those with petrol engines with catalytic converters.

APPLICATION

Recommended for all Diesel, Petrol and LPG engine vehicles manufactured from 2007 specifying a 15W40 CJ-4 diesel or SM petrol rating, including those vehicles fitted with turbo-chargers. It is ideal for mixed fleet use in all late model trucks, earth moving machinery, light commercial vehicles and cars where a multi-functional use oil is required.

SPECIFICATION

Meets the following performance specifications:

- ACEA E7-08 Issue 2, E9-08 Issue 2
- Allison C4
- API CJ-4 / SM
- Cat ECF-3 / ECF-2 (exceeds performance of ECF 1A)
- Cummins CES 20077, 76, 81
- Detroit Diesel 93K218
- DeutzDQC III-10-LA
- JASO DH-2
- Mack EO-O Premium Plus
- MAN M3575
- MB-Approval 228.31
- MTU Category 2.1
- Renault RLD-3
- Scania Low Ash
- Volvo VDS-3, VDS-4

CHARACTERISTICS*

TEST	METHOD	TYPICAL VALUE
Density 15°C, g/cm ³	ASTM D7042	0.8770
Kinematic Viscosity 40°C, cSt	ASTM D7042	120
Kinematic Viscosity 100°C, cSt	ASTM D7042	14.5
Viscosity Index	ASTM D2270	130
Flash Point, °C	ASTM D92	>210
Phosphorous, max, %wt	ASTM D5185	0.115
TBN, mg KOH/g	ASTM D2896	9.5
Sulfated, Ash %wt	ASTM D4294	0.99
FTIR	ASTM E2412	Match

*Product data shows typical values and do not represent a specification