PETROTM OIL

LUBENZ GLORIA LOW SAP LONG DRAIN CJ-4 series

Extra High Performance Multigrade Diesel Engine Oil – Fully Synthetic

Product Data Sheet

Product Description & Application

LUBENZ GLORIA LOW SAP LONG DRAIN CJ-4 series are extra high performance fully synthetic diesel engine oils formulated with highly refined synthetic base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.

Specifications

LUBENZ GLORIA LOW SAP series meets or exceeds following International and Builder specifications:

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL
- ACEA E9/E7
- MTU OIL Category 2.1
- MACK EO-O Premium Plus
- Detroit Diesel Power Guard 93K218
- CUMMINS CES 20081/77/76
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4
- MAN M3575
- Duetz DQC-III-10 LA
- Renault VI RLD-3

Features & Benefits

- Outstanding oxidation & thermal stability reduces sludge deposits and keeps the engine cleaner.
- Excellent engine protection by providing outstanding protection against corrosive & abrasive wear.
- Improved shear stability maintains viscosity in-grade under severe, high temperature service conditions.
- Excellent low temperature pumpability ensures improved fuel economy.
- Excellent dispersancy provides outstanding soot control in Exhaust Gas Recirculation (EGR) systems.
- Excellent TBN reserves provide improved acid neutralization and corrosion protection, which helps in extending oil drain interval in both new & old engines using either low (500 ppm) or ultra-low (15 ppm) sulfur diesel fuel.

Typical Characteristics

LUBENZ GLORIA LOW SAP LONG DRAIN	Test Method	Units	10W-30	10W-40
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.868	0.875
Viscosity @ 100 ^{0}C	ASTM D 445	cSt	10.4	14.4
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	62.6	96
Viscosity Index	ASTM D 2270	-	155	155
Pour Point	ASTM D 97	°C	-39	-39
Flash Point (COC)	ASTM D 92	°C	215	236
Total Base Number	ASTM D 2896	mg KOH/g	10.4	10.4
Sulfated Ash	ASTM D 874	% wt	1.0	1.0
CCS Viscosity	ASTM D 5293	cP	6050 @ -25 °C	6200 @ -25 °C

The above figures are typical of blends with normal production tolerance and do not constitute a specification.