

BLUENERGY AZURE COBALT API CF-4 SERIES

High Performance Multigrade Diesel Engine Oil

PRODUCT DATA SHEET

Product Description

Bluenergy Azure Cobalt API CF-4 series is high performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable performance in the latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most strenuous conditions.

Features & Benefits

- Outstanding oxidation & thermal stability reduces sludge deposits and keeps the engine cleaner.
- Excellent engine protection by providing outstanding protection against wear.
- Improved fuel economy.
- Excellent dispersancy provides outstanding soot control in Exhaust Gas Recirculation (EGR) systems.
- Extended TBN reserves provide improved acid neutralization and corrosion protection, which helps in extending oil drain intervals.

Specifications

Bluenergy Azure Cobalt API CF-4 series meets or exceeds following International and Builder specification:

- API CF-4, CF, SJ
- MTU OIL Category-1
- VOLVO VDS
- MB 228.0/1
- ACEA E2
- MAN 270/271
- Deutz DQC -I-05

Applications

Bluenergy Azure Cobalt API CF-4 series is suitable for use in following:

- Automotive diesel engines.
- Passenger cars, SUVs, light trucks and vans.
- Naturally aspirated or turbo-charged engines.
- Fuel injected or indirect injection diesel engines fitted with blow-by recirculation systems.

TYPICAL CHARACTERISTICS

Bluenergy Azure Cobalt	Test Method	Units	20W40	20W50
Density @ 15 °C	ASTM D 4052	gm/cc	0.888	0.890
Viscosity @ 100 °C	ASTM D 445	cSt	14.3	20.5
Viscosity @ 40 °C	ASTM D 445	cSt	107	182
Viscosity Index	ASTM D 2270	-	137	137
Pour Point	ASTM D 97	°C	-27	-27
Flash Point (COC)	ASTM D 92	°C	230	236
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0
CCS Viscosity	ASTM D 5293	cP @-15	6020	6060

These characteristics are typical of current product methods whilst future production will confirm to Bluenergy lubricants specifications, variations in these physical characteristics may occur.