

BLUENERGY AZURE GOLD API CH-4 SERIES

High Performance Multigrade Diesel Engine Oil

PRODUCT DATA SHEET

Product Description

Bluenergy Azure Gold API CH-4/SL 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 Gold API CH-4/SL series meets or exceeds following International and Builder specification:

- | | |
|------------------------------------|-------------------------|
| • API CH-4, CG-4, CF-4, CF, SL, SJ | • Detroit Diesel 93K215 |
| • ACEA E7/A3/B4 | • CUMMINS CES 20076/7 |
| • CAT ECF-1a | • Deutz DQC -II-05 |
| • MTU OIL Category 2 | • MB 228.3 |
| • MAN M3275 | |
| • VOLVO VDS-2 | |
| • MACK EO-M Plus | |
| • Renault RD-2 | |

Applications

Bluenergy Azure Gold API CH-4/SL 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 gold	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	10	10
Sulphated Ash	ASTM D 874	% wt	1.2	1.2
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.

Protect the Environment

Take used oil to an authorized collection point or to be recycled. Do not discharge used or new oil into drains, soil or water.

Additional Information

Based on available information, this product is not expected to produce adverse effect on health when used for the

Applications referred to above and the recommendations provided in safety data sheet are followed. guidance on health and safety is available on the appropriate material safety data sheet(MSDS) which can be obtained from www.Bluenergylubricants.com