BLUENERGY YALE VIGOR API SN/CF SERIES

Fully Synthetic-High Performance Multigrade Gasoline Engine Oil

PRODUCT DATA SHEET

Product Description

Bluenergy yale vigor API SN/CF is formulated with fully synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline and diesel fueled automobiles and light duty trucks requiring an API SN specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in engines operating under severe conditions, including high-performance turbocharged, supercharged gasoline and certain diesel multi-valve fuel injected systems

Features & Benefits

- Excellent fuel economy & easy cold starts due to extreme fluidity at low temperatures.
- High resistant oil film even at high engine operating temperatures.
- Excellent detergency and dispersancy, reduces sludge formation which improves engine cleanliness.
- Excellent oxidation & thermal stability, helps in extending oil drain intervals.
- Outstanding wear protection for greater engine reliability and performance.

Specifications

Bluenergy yale vigor API SN/CF series meets or exceeds following International and Builder specification:

- API SN, SM, SL, SJ, CF
- ACEA A3/B4
- MB 229.3/229.5
- Fiat 9.55535-M2
- BMW Long Life- 01
- Porsche A40
- Ford WSS-M2C937-A
- VW 501 01/505 00

Applications

Bluenergy Engine yale vigor API SN/CF series is suitable for use in following:

- Latest automotive gasoline and diesel engines (without Diesel Particulate Filters or DPFs).
- Passenger cars, SUVs, light trucks and vans.
- Suitable for all petrol engines with multi-valve & turbo types and with or without catalytic converter.
- Naturally aspirated or turbo-charged diesel engines in cars and light vans.
- Fuel injected or indirect injection diesel engines fitted with blow-by recirculation systems.

TYPICAL CHARACTERISTICS

Bluenergy yale vigor	Test Method	Units	0W20	0W30	0W40
Density @ 15 ^{0}C	ASTM D 4052	gm/cc	0.840	0.845	0.850
Viscosity @ 100 ^{0}C	ASTM D 445	cSt	8.6	10.4	14.3
Viscosity @ 40 ^{0}C	ASTM D 445	cSt	44.8	58.65	88.6
Viscosity Index	ASTM D 2270	-	173	169	168
Pour Point	ASTM D 97	°C	-42	-42	-42
Flash Point (COC)	ASTM D 92	°C	220	212	228
Total Base Number	ASTM D 2896	mg KOH/g	8.0	8.0	8.0
Phosphorous	ASTM D 4951	% wt	0.078	0.078	0.078
CCS Viscosity	ASTM D 5293	cP @-15	5560	5600	4180

These characteristics are typical of current product methods whilst future production will confirm to Zeal 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