

A blend of perfection.

OCTIVE-MA 40

Gas Engine Oil



byco

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Product Data Sheet

Byco Octive-MA 40 is a high-quality, medium ash gas engine oil developed to meet the requirements of a wide range of gas engines running on different gas quality. It is also especially designed for bio gas to retain the high TBN's. These engines are generally of the lean-burn design where increased manifold pressures prevent sufficient lubricant from getting into the valve guide areas. Byco Octive-MA 40 offers outstanding resistance to valve train wear and protection against deposit formation. It is formulated from high-quality mineral base oils and an advanced medium ash additive system designed to provide excellent protection of engine and compressor components. Byco Octive-MA 40 is a premium quality oil blended for use in highly-rated spark ignition and dual-fuel four stroke engines that require a 'medium ash' oil, or where "sour gas" is in use.



Performance, Features & Benefits

- Its high reserve alkalinity and TBN retention also makes it suitable for engines operating on fuels that contain low amounts of corrosive materials such as hydrogen sulphide.
- Provides cleaner engines, lower wear rates and improved engine performance.
- Outstanding anti-wear and anti-scuff properties.
- Innovative medium ash formulation.
- Excellent corrosion resistance.
- Low phosphorous content ensures exhaust system catalyst compatibility and hence maximum service life.
- Very high oxidation & nitration resistance.
- Enhanced diesel detergency for dual-fuel engines.
- Optimized level of 'ash' components.

Application

Byco Octive-MA 40 can be used in engines equipped with catalytic converters and specially for all gas engines operating under severe conditions. It allows acceptable oil drain intervals even in case of poor corrosive gas qualities like gases containing sulphur or hydrogen sulphide or even corrosive organic halides. Depending on the gas quality, the oil drain interval can be optimized with continuous monitoring.

Protect the environment

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

Storage precautions

The closed container can be kept in a dry and covered location at temperatures between 20°C and 40°C for maximum of 3 years. After longer storage the oil should be homogenized.

Oil Analysis

For optimum results regular oil analysis is strongly recommended.

Performance Levels

- API CF

Meets standard equipment requirement

- DEUTZ-MWM
- MAN Co-Gen MDE
- JENBACHER (3/4/6 Series)
- WAUKESHA Co-Gen
- WARTSILA SACM
- CAT 3XX/3300/3400/3500/3600 Series

Key Properties

Properties	Units	Value	Test Method
SAE Grade 40	-	-	-
Density@15°C	kg/m ³	885	ASTM D-4052
Viscosity@40°C	mm ² /s	165	ASTM D-445
@100 °C	mm ² /s	15.88	ASTM D-445
Viscosity Index	-	97	ASTM D-2270
Flash Point COC	°C	256	ASTM D-92
Pour Point	°C	-21	ASTM D-97
Sulphated Ash % wt.	-	0.93	ASTM D-874
Base Number mg KOH/g	-	9.5	ASTM D-2896

Note: The typical characteristics are given as a guide only and may vary according to latest production according to ISO.



ENVIRONMENTAL, HEALTH & SAFETY

Environmental, Health & Safety Information of this product is available in Byco Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and complying with the guidelines in consuming of the product, its use and disposal.