

Motor oil

IBIS NGO

Seasonal motor oils IBIS NGO designed for lubrication of stationary heavy loaded engines powered with natural gas and other similar fuels.

The oil is formulated upon selectively refined, solvent dewaxed and hydrotreated oil distillates received from crude oil. It contains a package of anti-oxidation and anticorrosion additives improving the washing and dispersing qualities as well as lubrication properties and the deposit formation inhibitors.

Characteristics:

IBIS NGO are engine oils:

- designed for lubrication of stationary vehicle engines powered with compressed natural gas; particularly recommended for engines of Waukesha, Caterpillar, Jenbacher, Guascor,
- formulated as an answer to the increasing demand of stationary CNG engines lubrication,
- suitable for other engines powered with gas fuels including:
 - dump gas, putrid biogas, characterised by great amount of hydrogen sulphide and other aggressive gas ingredients,
 - LPG gas.

IBIS NGO has the following characteristics:

- reduces engine elements wear,
- inhibits deposits and carbon deposits formation,
- prevents piston rings from blocking,
- provides easy start-ups at low temperatures,
- reduces refills.
- meets the requirements relating to the emission of harmful exhaust gases content.

№	Requirements	Research methods by	Unit	Value	
				30	40
1.	Kinematic viscosity at 100 ⁰ C	ASTM D-445	mm ² /s	11,3	14,9
2.	Pour point	ASTM D-5950	⁰ C	-27	- 21
3.	Flash point	PN-EN ISO 2592	⁰ C	215	228
4.	Base number	ASTM D-2896	mgKOH/g	6,5	6,5
5.	Viscosity index	ASTM D-2270		97	98
6.	Sulphated ash content	PN-82/C-04077	% m/m	0,5	0,5

The above given data are typical values for a production batch, they are not included in the technical specification, and they are subject to change due to continual product research and development.

Specification, classification:

-SAE: 30; 40

Packaging:

180 kg, 1 tonne

Storage:

The products should be stored under a roof. If they are stored in the open air where they can be exposed to atmospheric conditions – rains, they should be placed in a horizontal position in order to avoid inrush of water to a container and to prevent label damaging; they should be covered with tarpaulin.

The products should not be stored at the temperature above 60°C and in the places where solar radiation is very strong or – temperatures very low. The expiry date is not less than 3 years if the storage conditions are satisfied.

Health, industrial safety and the Environment:

Information concerning safety is included in the product Safety Sheet. It contains detailed information on possible threats, warnings, first aid as well as the impact on the environment and ways of utilization of the used products. LOTOS Oil SA and the cooperating companies do not take responsibility for misuse of the product or – the use with the violation of the precautions given. Before using the product for other than recommended purposes, seek advice in the local LOTOS Oil SA office.

The information provided in this data sheet is not intended to constitute an offer within the meaning of the Act of 23rd April 1964 - Civil Code. LOTOS Oil S.A. bears no responsibility for whatever effects of use (particularly in trade and investment decision-making) of information contained herein. Any data contained in the MSDS are typical process tolerance values and they are subject to change due to continual product research and development. Information provided in this document may undergo changes. LOTOS Oil S.A. is not responsible for the product availability.

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