

## Engine oil

### LOTOS AERO 100

Formulated on the base of selectively refined, solvent dewaxed, and hydrotreated oil distillates received from crude oil. It contains viscosity modifiers. AERO oil is designed for lubrication of aero piston engines.

#### Characteristics:

AERO oil:

- provides excellent engine cleanliness,
- retards deposits and carbon deposits formation,
- reduces engine components wear,
- ensures easy start-ups at low temperatures

No.	Requirements	Research methods by	Unit	Value
1.	kinematic viscosity at 100 <sup>0</sup> C	ASTM D-445	mm <sup>2</sup> /s	18,0
2.	pour point	ASTM D-5950	<sup>0</sup> C	- 18
3.	flash-point	PN-EN ISO 2592	<sup>0</sup> C	280
4.	total acid number	PN-88/C-04049	mgKOH/g	0,02
5.	viscosity index	ASTM D-2270		96
6.	HTHS dynamic viscosity at 150 <sup>0</sup> C	ASTM D-4741	mPa*s	4,76

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, classifications:

- SAE: 50

#### Storage:

The products should be stored under a roof. If it is not possible, they should be stored under a covering and in a horizontal position in order to avoid inrush of water and impurities to a container. 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 legislation, and the Environment:

Information concerning health, industrial safety legislation and the effect on the environment is included in the product Safety Sheet. It contains detailed information on possible threats, warnings, first aid agents as well as the impact on the environment and ways of utilization of the used products. LOTOS Oil does 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 LOTOS Oil.

*The information provided in this data sheet is not intended to constitute an offer within the meaning of the Act of 23<sup>rd</sup> 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.*

**Prepared: 14.03.2008**

**Edition №: 2**

**Updating: 15.11.2010**