

Machine oil

MACHINE OILS L-AN Z

Machine oils L-AN Z are formulated upon deeply refined, dewaxed and hydrorefined mineral oils received from straight run of crude oil and are enhanced with an additive lowering the setting point.

Characteristics:

The oils formula guarantees:

- protection against corrosion,
- good adhesion to lubricated elements,
- improved low- and high-temperature characteristics,

The oils are designed for:

- lubrication of slightly loaded parts of industrial machines (bearings, guides, mechanical gears, spindles etc.),
- through slightly loaded lubrication systems,
- auxiliary friction nodes,
- low ambient temperatures.

№	Requirements	Research methods by	Unit	Value						
				10	15	22	32	46	68	100
1.	Kinematic viscosity at 40°C	ASTM D-445	mm ² /s	10	15	22	32	46	68	100
2.	Pour point	ASTM D-5950	°C	-40	-45	-40	-30	-33	-27	- 24
3.	Flash point	PN-EN ISO 2592	°C	150	170	210	230	235	250	260
4.	Viscosity index	ASTM D-2270	°C	90	90	90	90	90	90	90

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

Specifications, classifications:

ISO VG 10-100,
ISO L-AN
DIN CL

Packaging:

180kg, 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 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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