

## Transmission fluid

### TRANSMIL

Transmil transmission fluids are designed for industrial toothed gears and machinery working in normal conditions. TRANSMIL oils are received from preservative crude oil distillation and are selectively refined. They contain antifoaming and demulsifying additives as well as ash-free additives improving the lubricating and anticorrosive properties that inhibit oxidation.

#### Characteristics:

The oil formula guarantees:

- good protection of the lubricated components surface,
- high antifoam properties,
- excellent demulsifying properties,
- high lubricity,
- anti-wear protection.

The oils are designed for lubrication of:

- closed toothed gears,
- gearboxes,
- other systems working under difficult conditions and requiring high-lubrication oils.

№	Requirements	Research methods by	Unit	Value					
				68	100	150	220	320	460
1.	Kinematic viscosity at 40°C	ASTM D-445	mm <sup>2</sup> /s	68	100	150	218	320	450
2.	Pour point	ASTM D-5950	°C	-27	-27	-24	-21	-15	-15
3.	Flash point	PN-EN ISO 2592	°C	240	245	250	255	260	260
4.	Demulsifying properties	PN-86/C-04065	min	40	40	40	40	40	40
5.	Viscosity index	ASTM D-2270		97	96	94	93	92	91

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.

#### Application Recommendations:

TRANSMIL fluids for industrial toothed transmissions are applied in machine tools, steam and gas turbine gears, rolling mill gears, marine machinery and other equipment requiring oils of increased strength of oil film and of good anticorrosion qualities. TRANSMIL oils can be applied in temperatures up to 100°C.

#### Specification, classification:

- ISO VG 68-460,
- ISO-L-CKB;
- DIN 51517 cz.2

**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 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.*

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