

Industrial gear oil

TRASMIL SP

Transmission fluids Transmil SP are formulated for industrial transmissions and machinery working under extreme conditions. Fluids Transmil SP 68, 100, 150, 220, 320, 460, 680 and 1000 are received from preservative crude oil refining. They are selectively refined. Transmil SP fluids contain ash-free additives improving the lubricating and anticorrosive properties to inhibit oxidation as well as – antifoaming and demulsifying additives. The fluids contain sulphuric and phosphoric additives of EP type.

Characteristics:

The oil formula guarantees:

- optimum protection of the lubricated components surface,
- high antifoam properties,
- excellent deemulsification,
- hydrolytic stability,
- antiwear protection and prolonged life-span of the lubrication system components.

The oil is 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
1.	Kinematic Viscosity at 40°C	ASTM D-445	mm ² /s	68	100	150	220
2.	Pour Point	ASTM D-5950	°C	-27	-24	-21	-18
3.	Flash Point	PN-EN ISO 2592	°C	230	235	230	244
4.	Demulsibility	PN-86/C-04065	min	40	30	25	40
5.	Viscosity Index	ASTM D-2270		98	97	95	95

№	Requirements	Research methods by	Unit	Value			
				320	460	680	1000
1.	Kinematic Viscosity at 40°C	ASTM D-445	mm ² /s	320	460	680	1000
2.	Pour Point	ASTM D-5950	°C	-18	-12	-9	-6
3.	Flash Point	PN-EN ISO 2592	°C	240	240	250	245
4.	Demulsibility	PN-86/C-04065	min	40	40	50	50
5.	Viscosity Index	ASTM D-2270		90	94	98	102

The above given data are values received at normal tolerance of production batch, they are not included in technical specification and they can undergo changes for constant development of the product.

Application Recommendations:

TRANSMIL SP fluids are applied in industrial transmissions, requiring oils with high-load capacity of the lubrication layer, good thermooxidative stability at high temperatures (to 120°C) and with good anticorrosive and deemulsification properties.

Transmil SP fluids meet the performance requirements of all major OEMs in main transmissions and gearboxes where high-quality oils are required.

Specification, classification:

ISO VG 68-1000

ISO-L-CKD

DIN 51517 p. 3

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 S.A. 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 S.A. 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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