LOTOS Oil

Industrial gear oil

TRANSMIL SYNTHETIC

Transmission fluid Transmil Synthetic is designed for application in industrial gear and machinery working under extreme conditions of mechanical and thermal loads. Transmil Synthetic oils are formulated on the base of synthetic polyalphaolephines (PAO) that guarantee exceptional thermal stability of the oil and an ability to transmit very high loads. The oil, due to its synthetic base components and additives, has very high anti-oxidation and anticorrosion properties as well as good demulsifying qualities.

Characteristics:

The oils formula guarantees:

- oil usability during its performance at low and high temperatures; base components PAO of high viscosity index reduce the change of viscosity together with the temperature,
- very long operation periods with the reduced danger of filter blocking,
- lubrication of calenders, different types of transmissions and bearings, particularly those working in extreme conditions of thermal and mechanical loads,
- in closed industrial transmissions the oil properties provide very long time of working, even for the whole performance period “Fill for Life”,
- good de-emulsifying properties, even during contact with sea water,
- mixability with other mineral oils, PAO.

№	Requirements	Research method by	Unit	Transmil Synthetic 32	Transmil Synthetic 46	Transmil Synthetic 68	Transmil Synthetic 100
1.	Kinematic viscosity at 40^0C	ASTM D-445	mm^2/s	32	46	68	100
2.	Viscosity index	ASTM D-2270		160	140	150	140
3.	Pour point	ASTM D-5950	^{0}C	-50	-48	-45	-42
4.	Flash point	PN-EN ISO 2592	^{0}C	210	210	220	215

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№	Requirements	Research method by	Unit	Transmil Synthetic 150	Transmil Synthetic 220	Transmil Synthetic 320	Transmil Synthetic 460
1.	Kinematic viscosity at 40^0C	ASTM D-445	mm^2/s	150	220	320	460
2.	Viscosity index	ASTM D-2270		140	155	160	160
3.	Pour point	ASTM D-5950	^{0}C	-39	-39	-33	-33
4.	Flash point	PN-EN ISO 2592	^{0}C	245	235	230	230

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:
ISO VG 32-460
ISO- L-CKT
DIN 51517 - p.3
Flender FVA – Micropitting

Approvals:
Grupa Famur

Packaging:
In bulk ,26 kg,180 kg

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^oC 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 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.

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