

Gear oil

ORiolis

Description:

Chlorine-free gear oil formulated upon selectively refined, solvent dewaxed and hydrorefined oil distillates received from crude oil. It contains a properly selected package of anti-oxidation and anticorrosion additives that additionally improve lubrication as well as temperature and viscosity properties. The oil is designer for application in hypoid gears of passenger cars, trucks, buses and other mechanical vehicles working in moderate conditions.

Features:

- guarantees excellent gear cleanness,
- eases start-ups at low temperatures,
- reduces gear elements wear,
- designed for work in vehicle and machine heavy drive.

Application - Oriolis guarantees an effective work of:

- drives requiring oil of API GL-4 SAE 80W properties,
- industrial drives requiring gear oil of VG 68 viscosity and L-CKC/CKD; DIN-CLP quality,
- gears of agricultural machinery drives,
- power hydraulic systems of machines combined with farm tractors.

№	Requirements	Research methods by	Unit	Value	
				Oriolis 80W	Oriolis 6
1.	Kinematic viscosity at 100 ⁰ C	ASTM D-445	mm ² /s	7.7	10
2.	Pour point	ASTM D-5950	⁰ C	- 33	-33
3.	Flash point	PN-EN ISO 2592	⁰ C	216	210
4.	Brookfield viscosity at -26 ⁰ C	PN-83/C-04023	mPa*s	120000	12000
5.	Viscosity index	ASTM D-2270		110	105
6.	Weld point P _z	PN-76/C-04147	daN	245	310
8.	Scar diameter after the test 39 daN	PN-76/C-04147	mm	0.7	0.5

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.

Specifications, classifications:

SAE: 80W

API: GL-4

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, below 0°C. 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 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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