

Gear fluid

SYNTHETIC GEAR FLUID GL-5; SAE 75W/140

Description:

Non-chlorine synthetic gear fluid GL-5 SAE 75W/140 is formulated upon synthetic oils enhanced with a properly selected package of additives.

It is designed for hypoid gears of passenger cars, trucks, buses and other mechanical vehicles in extreme temperature and load conditions.

Features:

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

Application:

- gears, hypoid gears in particular, in passenger cars, trucks and other vehicles operating in very difficult conditions, i.e. at high speeds and stepping loads, at high speeds and low torque or at low speeds and high torque.
- gears of other type where the OEM recommends oil of GL-4 or GL-5 class.

No	Requirements	Research methods by	Unit	Value
1.	Kinematic viscosity at 100°C	ASTM D-445	mm ² /s	25.8
2.	Pour point	ASTM D-5950	°C	- 45
3.	Flash-point	PN-EN ISO 2592	°C	224
4.	Brookfield viscosity at -40°C	PN-83/C-04023	mPa*s	<150000
5.	Viscosity index	ASTM D-2270		124
6.	Weld load P _z	PN-76/C-04147	daN	500
7.	Scar diameter after the 39daN Test	PN-76/C-04147	mm	<0.4

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:

SAE: 75W/140

ISO VG 320

API: GL-4; GL-5

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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