

## Transmission fluid

### LOTOS TITANIS GL-5 SAE 80W90

Mineral transmission fluid is designed for use in hypoid transmissions of passenger cars and other mechanical vehicles working under extremely demanding conditions, i.e. at high speeds and irregular loads, high speeds and low torque, where oil of API GL-5 and SAE 80W/90 is required.

#### LOTOS TITANIS fluid:

- guarantees excellent transmission cleanliness,
- ensures easy start-ups at low temperatures,
- retards deposits and carbon deposits formation,
- reduces transmission components wear.

No	Requirements	Research methods by	Unit	Value
1.	kinematic viscosity at 100°C	ASTM D-445	mm <sup>2</sup> /s	13,5-24,0
2.	pour point, not higher than	ASTM D-5950	°C	- 30
3.	flash-point, not lower than	PN-EN ISO 2592	°C	200
4.	Brookfield viscosity at -26°C, not higher than	PN-83/C-04023	mPa*s	150 000
5.	viscosity index, not lower than	ASTM D-2270		95

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: 80W/90,  
API: GL-5

#### Approved by:

ZF TE –ML 16B, 17B, 19B, 21A ( ZF Registration number: ZF000923).

#### 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 the 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 Sp. z o.o. 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 Sp. z o.o. 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 Sp. z o.o. is not responsible for the product availability.*

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