

Motor oil

LOKOMOL SUPER

Lokomol Super is summer motor oil for loaded engines in rail transport. It is formulated upon selectively refined, solvent dewaxed and hydrorefined oil distillates received from crude oil. The oil contains a package of anti-oxidation and anticorrosion additives, improving the oil properties of washing and dispersing as well as lubrication, viscosity and temperature attributes.

The oil provides good lubrication of four-stroke Diesel engines applied in engines of rail machines as well as other land stationary, marine and mining machines, which require very high potential of washing and neutralizing properties.

Characteristics :

The oil is mainly applied for lubrication of diesel engines in locomotives, auxiliary marine engines and stationary aggregates operating under difficult conditions, where that level of quality and viscosity is recommended.

- reduces engine elements wear,
- inhibits deposits and carbon deposits formation,
- prevents piston rings from blocking,
- guarantees high potential of dispersing and washing,
- very high viscosity in SAE 40 class,
- high potential of dispersing and neutralizing TBN >13mgKOH/g,
- removes soot and black sludge deposits from lubricated surfaces,
- high resistance to oxidation,
- protection of the lubricated surfaces against wear,
- stability of the oil viscosity during operation.
- provides optimum viscosity for the overloaded engines,
- reduces refills.
- meets requirements regarding emission of harmful ingredients of exhaust gases.

No	Requirements	Research methods by	Unit	Value
1.	Kinematic viscosity at 100 ⁰ C	ASTM D-445	mm ² /s	14.7
2.	Pour point	ASTM D-5950	⁰ C	- 24
3.	Flash point	PN-EN ISO 2592	⁰ C	242
4.	Base number	ASTM D-2896	mgKOH/g	13.1
5.	Viscosity index	ASTM D-2270		103
6.	HTHS dynamic viscosity at 150 ⁰ C	ASTM D-4741	mPa*s	4.2
7.	Sulphated ash content	PN-82/C-04077	% m/m	1.4

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:

SAE: 40

API: CD

Packaging:

50kg, 180kg, 1 tona

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 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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