

## Passenger cars and light commercial vehicles engine oils. Thermal Control oils range.

### LOTOS SYNTHETIC TURBODIESEL SAE 5W-40

Synthetic engine oil. Developed specifically for modern cars equipped with diesel engines. Recommended for use in the production of VW cars equipped with high pressure fuel pumps and requiring oils meeting the criteria of the VW 505.01 standard and vehicles from other manufacturers, including those equipped with particulate filters, if the ACEA C3 oil is recommended. The product is a successor of the LOTOS TRAFFIC PRO 505.01 SAE 5W-40.

#### Characteristics:

- synthetic oil with reduced SAPS content - compatible with particulate filters
- ensures optimum performance throughout the life cycle of engines requiring oil of the abovementioned OEM quality
- can be used for extended intervals of replacement (according to the car's manual)
- recommended for Mercedes-Benz, Kia, Hyundai, Volkswagen, Audi, Skoda, Seat, Renault, Opel, Fiat - the models, which require the above-mentioned OEM quality levels or the API or ACEA quality grade
- recommended for post-warranty use in Kia engines where LOTOS Quazar K SAE 5W-40 oil was used

No.	Requirements	Research methods by	Unit	Value
1.	kinematic viscosity at 100°C	ASTM D 445	mm <sup>2</sup> /s	13,5-16,3
2.	pour point, not more then	ASTM D 97	°C	-36
3.	flash-point, not less then	ASTM D 92	°C	210
4.	viscosity index, not less then	ASTM D 2270		160
5.	total base number, not less then	ASTM D 2896	mPa*s	6,0
6.	sulfated ash content, not more then	ASTM D 874	% m/m	0,8

The above data consists of values typical for a production batch, which are not included in technical specifications, and are subject to change due to continual product research and development.

#### Specifications, classifications:

SAE 5W-40

API SN/CF, ACEA C3

#### Approved by:

MB-Approval 229.51

#### Meets the requirements of:

MB 229.31; BMW Longlife-04; GM Dexos 2

Renault RN 0700/0710; Ford WSS-M2C-917-A

VW 502.00/505.00/505.01

**Packaging:**

1l, 4l, 50kg, 180kg

**Storage:**

All packages should be stored under a roof. If they are stored in the open air where they can be exposed to atmospheric conditions - rain, they should be placed in a horizontal position, so as to prevent ingress of water and prevent the destruction of marking, it is best to use canvas.

The product can not be stored at a temperature higher than 60 ° C, can not be exposed to direct sunlight or temperatures below 0 ° C. The expiry date for use under the conditions of storage is 3 years.

**Health, Occupational Health and Safety, Environment:**

Safety information is included in the Materials Safety Data Sheet (MSDS Safety Data Sheet). It contains detailed information on the potential hazards, precautions and First Aid measures, together with information on the impact on the environment and the disposal of used products.

LOTOS Oil Sp. z o. o. and cooperating companies do not take responsibility for the consequences of improper product use or non-use of the precautions. Before using the product for purposes other than those listed, please consult your local LOTOS Oil Sp. z o. o. office.

*Data contained in this document does not constitute an offer within the meaning of the Act of 23 April 1964 - Civil Code. LOTOS Oil Sp.z o.o. assumes no responsibility for any consequences of the use of the information contained herein, in particular when deciding on trade and investment. All data contained herein are typical of those obtained with normal production batch, they may vary slightly due to characteristics of the production process, as well as due to continuous product development. Data contained in this document may be subject to change. LOTOS Oil Sp..z o.o.is not responsible for the availability of the product.*

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