

LOTOS QUAZAR DYNAMIC HYBRID SAE 0W-20**Premium synthetic engine oil****Product description and application**

A specialized, synthetic engine oil of the latest generation. Thanks to the Hi-Tec Protection Plus formula, it provides full and continuous protection of passenger cars with various hybrid drives (HEV, PHEV) in which oils of this viscosity and quality grade are allowed.

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Characteristics

- intended mainly for use in cars manufactured after 2011 of manufacturers such as Nissan, Honda and Toyota.
- contains a carefully selected set of multifunctional refining additives characterized by the content of phosphorus, sulphur and sulphated ashes (SAPS), intermediate between typical low / mid-SAPS oils and traditional SAPS oils.
- provides immediate lubrication when starting a cold engine, as well as excellent protection during the shutdown and startup cycles of the power unit during operation
- possible to use also in petrol engines of cars for which oils of this quality and viscosity grade are recommended.

Specifications and Approvals

- SAE 0W-20,
- API SN/RC
- ILSAC GF-5

Typical parameters

Requirements	Test methods according to	Unit	Value
kinematic viscosity at 100°C	ASTM D445	mm ² /s	7.5–9.3
flow temperature, max.	ASTM D97	°C	-33
flash point, min.	ASTM D92	°C	200
sulphate ash, max.	ASTM D874	% (m/m)	1.0
viscosity index, min.	ASTM D2270		160
basic number, min.	ASTM D2896	mg KOH/g	8.0
CCS structural viscosity at -35°C, max.	ASTM D5293	mPa*s	6200
content of volatile parts by the Noack method, max.	ASTM D5800	% (m/m)	13.0
Calcium content, max.	ASTM D4951	ppm	1600

The above figures are typical of those obtained with normal production batch, they are not a technical specification, due to continuous development of the product, they may change.

Security and storage

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.

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Available Packages

1l, 4l, 50kg, 180kg



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