

Shell Mysella Oil LA

Premium quality stationary gas engine oil



Shell Mysella Oil LA is a premium quality oil blended for use in highly-rated, spark-ignition engines which require a 'low ash' oil. It satisfies the new generation of stationary gas engines designed to meet the emerging legislation limiting emissions of NOx, and those which employ the latest 'lean' or 'clean' burn technology.

Applications

- **Spark-ignited gas engines fuelled by natural gas**
Although Mysella LA is mainly developed to be used in natural gas applications it can also be used in engines fuelled by sour gases when a low ash oil is required.

Performance Features and Benefits

- **Excellent piston & engine cleanliness**
Ensures long and efficient engine operation.
- **Very high oxidation & nitration resistance**
Prolongs oil life by resisting viscosity increase and the formation of harmful acids, especially in demanding cogeneration (CHP) applications.
- **Optimised level of 'ash' components and alkalinity reserve**
High levels of ash in the oil can lead to hard deposits in gas engines. Mysella LA is formulated to give best possible neutralisation of acids and provide corrosion protection also at a "low ash" (<0,5%) level.
- **Low phosphorus level**
With a maximum phosphorus content of 300 ppm Mysella LA is compatible with engines equipped with emission catalysts.

Specification and Approvals

API	CD
Caterpillar	Meets the requirements for stationary gas engines

Mysella LA is approved by:

Cummins
MWM Deutz*
Jenbacher* (with 3-way catalyst)
MTU*
Ruston Diesels
Wärtsilä*

* SAE 40 only

Mysella LA is also suitable for a number of other engine types, where a "low ash" oil is required.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell representative.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

Mysella LA			30	40
SAE Viscosity grade			30	40
Kinematic Viscosity		ASTM D 445		
	at 40°C		mm ² /s	101
	at 100°C	mm ² /s	11	14
Density at 15°C	kg/m ³	ASTM D 4052	885	892
Flash Point COC	°C	ISO 2592	218	230
Pour Point	°C	ISO 3016	-21	-18
TBN	mg KOH/g	ISO 3771	5	5
Sulphated Ash	%w	ISO 3987	0,45	0,45
Phosphorus	max. ppm	ASTM D 4047	300	300

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.