

Shell Mysella Oil MA

Premium quality stationary gas engine oil



Shell Mysella Oil MA is a premium quality oil blended for use in highly-rated spark ignition and dual-fuel four-stroke engines which require a 'medium ash' oil, or where "sour gas" is in use. 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 or so called sour gas.**
Mysella MA is developed for engines and applications requiring a "medium ash" oil. It is suitable for use with all types of gases; natural (sweet) gas as well as so called sour gases like landfill and sewage gas.
- **"Dual-fuel" gas engines ignited by diesel pilot fuel**

Performance Features and Benefits

- **Excellent piston & engine cleanliness**
Long and efficient engine operation.
- **Enhanced diesel detergency for dual-fuel engines**
Keeps engines using diesel fuel clean.
- **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**
Helps prolong the life of valves, in engines which prefer a medium ash oil.
- **Reserve alkalinity**
The high level of TBN (total base number) neutralises acids and provides corrosion protection, even when "sour" gases are in use.
- **Low phosphorus level**
With a maximum phosphorus content of 300 ppm Mysella MA is compatible with engines equipped with emission catalysts.

Specification and Approvals

API CD

Mysella MA is approved by:

Dorman

Jenbacher (except 3-way catalyst, see Mysella LA)

M.D.E. (natural gas/propane)

Ruston Diesels

Waukesha (including cogeneration application)

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 MA			40
SAE Viscosity grade			40
Kinematic Viscosity		ASTM D 445	
at 40°C	mm ² /s		139
at 100°C	mm ² /s		14
Density at 15°C	kg/m ³	ASTM D 4052	894
Flash Point COC	°C	ISO 2592	230
Pour Point	°C	ISO 3016	-18
TBN	mg KOH/g	ISO 3771	8,5
Sulphated Ash	%w	ISO 3987	0,9
Phosphorus	max. ppm	ASTM D 4047	300

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