



Formerly Known As: **Shell Mysella LA**

Shell Mysella S3 N 40

- Reliable Protection
- Low Ash - Four Stroke Engines

Low Ash Stationary Gas Engine Oil

Shell Mysella S3 N is a high performance quality oil blended for use in 4-stroke, spark-ignition engines which require a 'low ash' oil and use natural gas as fuel.

Shell Mysella S3 N 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.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Extended oil life**

Significantly prolongs oil life relative to previous generation gas engine oils by resisting oxidation and nitration, viscosity increase and the formation of harmful acids.

- **Engine protection**

Shell Mysella S3 N is formulated with low ash and low phosphorus offering extended life to valves and spark plugs and full compatibility with emission catalysts.

Main Applications



- Spark-ignited gas engines fueled by natural gas
- May also be used for landfill and biogases

Specifications, Approvals & Recommendations

Shell Mysella S3 N is suitable in engine types where a "low ash" oil is required.

Shell Mysella S3 N is approved by:

- Wärtsila, top-listed approved for all SG, LPG, DF engines, continuously running on gas fuel and for DF engines during short operating periods on alternate natural gas / distillate fuel operation.
- Bergen Engines (formerly Rolls-Royce) for K-G1, K-G2, K-G3 gas engines
- Caterpillar for gas engines CG132, CG170, CG170(1.0), CG170(K), CG260

- Caterpillar MaK for GCM 34 gas engine as Category 1 oil
- Everlence (formerly MAN ES) for gas engines and for PC type gas engines of the Pielstick brand
- INNIO Jenbacher for gas engines Type 6 Versions F, J Fuel Class A and CAT; Type 6 Versions C, E Fuel Class A, B, C and CAT; Type 4 Versions C, E Fuel Class A and CAT; Type 4 Versions A, B, D Fuel Class A, B, C and CAT; Types 2 and 3 (except Type 3 Version F) Fuel Class A and CAT; for gas engines for special gas applications Fuel Class S and CAT
- INNIO Waukesha for all 220GL Applications (Using Pipeline Quality Gas)
- HYUNDAI HiMSEN for Gas and Dual Fuel Engines running on gas or methanol fuel
- mtu (a Rolls-Royce solution) for gas engines Series 4000 L61 / L62 / L63, L32 / L33 / L32FNER
- MWM for TCG 2016, TCG 2016B, TCG 2016C, TCG 2020, TCG 2020(1.0), TCG 2020K, TCG2020K1, TCG 2032 gas engines
- Perkins for gas engines 4000 series

Shell Mysella S3 N meets Requirement of:

- Caterpillar stationary gas engine models, produced in the USA. Recorded successful operational experience is available of more than 15 years in hundreds of Caterpillar gas engines in Power and Gas Compression Applications
- Nuovo Pignone (currently Baker Hughes) Reciprocating Compressor Service Class A viscosity ISO VG 150

For engines under warranty, Shell advises contact with the engine manufacturer and Shell representative to choose the appropriate oil given the equipment operating conditions and customer maintenance practices.

For a full listing of equipment approvals and

recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Mysella S3 N 40
SAE Viscosity Grade				40
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	135
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	13.5
Density	@15°C	kg/m ³	ASTM D4052	890
Flash Point (COC)		°C	ASTM D92	230
Pour Point		°C	ISO 3016	-18
BN	mg	KOH/g	ASTM D2896	5
Sulphated Ash		%wt	ISO 3987	0.45
Phosphorus		ppm	ASTM D4047	300

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

Health, Safety & Environment

• Health and Safety

Shell Mysella S3 N is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

• Protect the Environment

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

Additional Information

• Oil Analysis

For optimum results regular oil analysis is strongly recommended

• Advice

Advice on applications not covered here may be obtained from your Shell representative.

Note: this product is not designed for automotive gas engines