

# SHELL MYSELLA S3 S

PREMIUM QUALITY STATIONARY GAS ENGINE OIL

PREVIOUSLY SHELL MYSELLA OIL MA

\* as from April 2013

DESIGNED TO MEET CHALLENGES



Shell Mysella S3 S 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 NO<sub>x</sub>, and those which employ the latest 'lean' or 'clean' burn technology.

## PERFORMANCE FEATURES

EXCELLENT PISTON AND ENGINE CLEANLINESS

- n Long and efficient engine operation.

ENHANCED DIESEL DETERGENCY FOR DUAL-FUEL ENGINES

- n Helps keep engines using diesel fuel clean.

VERY HIGH OXIDATION AND NITRATION RESISTANCE

- n Helps prolong oil life by resisting viscosity increase and the formation of harmful acids, especially in demanding cogeneration (CHP) applications.

OPTIMISED LEVEL OF 'ASH' COMPONENTS

- n Helps prolong the life of valves, in engines which prefer a medium ash oil.

RESERVE ALKALINITY

- n The high level of TBN (Total Base Number) neutralises acids and provides corrosion protection, even when 'sour' gases are in use.

LOW PHOSPHORUS LEVEL

- n With a maximum phosphorus content of 300 ppm Shell Mysella S3 S is compatible with engines equipped with emission catalysts.

## APPLICATIONS

SPARK-IGNITED GAS ENGINES FUELLED BY NATURAL OR SO CALLED 'SOUR' GAS

- n Shell Mysella S3 S 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

## SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

- n API CD.

APPROVED BY:

- n Dorman
- n Jenbacher (except 3-way catalyst, see Mysella LA)
- n M.D.E. (natural gas/propane)
- n Ruston Diesels
- n Waukesha (including cogeneration application).

## TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	40
Kinematic Viscosity (ASTM D 445)	
@ 40°C mm <sup>2</sup> /s	139
@ 100°C mm <sup>2</sup> /s	14
Density @ 15°C kg/m <sup>3</sup> (ASTM D 4052)	894
Flash Point °C (ASTM D 93) (ISO 2592)	230
Pour Point °C (ISO 3016)	-18
Total Base Number mg KOH/g (ISO 3771)	8.5
Sulphated Ash % wt (ISO 3987)	0.9
Phosphorus max. ppm (ASTM D 4047)	300