



Shell Lubricants

POWER

The use of Shell Lube**Advisor** and Shell Lube**Analyst** led to the introduction of Shell Mysella LA, increasing oil drain intervals and reducing downtime

Total customer saving per engine

US\$5,415



Company Name: Sapphire Power

Country: Pakistan

Application: Gas engine

Saving: US\$5,415 total cost saving per gas engine

Key edges: Shell Mysella LA, Shell Lube**Advisor**, Shell Lube**Analyst**, Shell Technical Support

Sapphire is one of the largest manufacturers and exporters of textile products in Pakistan. Working with the newest innovations and sophisticated processes, their products are marketed to the industry's biggest names in Asia, Europe, Australia, and North America.

Experiencing significant operational issues with limited technical support from the existing supplier, the customer turned to Shell for a solution.

Using Shell Lube**Advisor** and Shell Lube**Analyst** to assess the customer's situation, Shell recommended a product change to a high performance lubricant – Shell Mysella LA. As a result the customer experienced improved performance and a 29% reduction in operating costs.

PVS number: SHI0017

DESIGNED TO MEET CHALLENGES



1 The Challenge:

While using an alternative oil, the customer was experiencing operating problems after intervals of 5,000 hours. Abnormal wear metals were reported in the oil reports and with no support provided by the previous supplier, the customer turned to Shell for a solution.

2 The Solution:

Shell offered efficient and effective technical support to address the issue. A Shell Technical Team conducted joint inspections using Shell Lube**Advisor** and Shell Lube**Analyst** to assess the situation. After analysis of the existing product's performance, the Shell team confidently recommended a change to Shell Mysella LA.

3 The Outcome:

With Shell technical support and product performance the customer was able to avoid unplanned maintenance and improve operational performance resulting in financial savings. The operational benefits included:

- Improved plant reliability
- Extended oil drain intervals
- Reduction in downtime

4 The Value:

By using Shell Lube**Advisor** and Shell Lube**Analyst**, an appropriate premium quality oil, Shell Mysella LA, was recommended. Operational performance of the machinery significantly improved and a reduction in oil consumption was achieved.

As a result the customer realised financial savings of US\$5,415 per engine.

The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site depending on application, operating conditions, current products being used, condition of the equipment and maintenance practices.

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 NO_x, and those which employ the latest 'lean' or 'clean' burn technology.

Performance features and benefits

Excellent piston and engine cleanliness

Ensures long and efficient engine operation

Very high oxidation and 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. Shell 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 Shell Mysella LA is compatible with engines equipped with emission catalysts

Main applications

Spark-ignited gas engines fuelled by natural gas

Although Shell 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

Complementary products

Equipment	Lubricants
Engine	Shell Mysella XL Shell Mysella LA Shell Mysella MA Shell Mysella
Turbocharger	Shell Corena AS, Shell Turbo T
Generator	Shell Alvania RL, Shell Albida



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