



Shell Lubricants
POWER

Reducing downtime, while
increasing oil life and maintenance
intervals by 100%

Total annual
customer saving

US\$23,400



*Captive power plant operations
in Pakistan.*

**High oil consumption pushed up operating costs
for this power generation customer.**

By offering a best in class premium product alternative, Shell Mysella Oil XL 40, and a comprehensive package of support services to ensure professional operational monitoring and control, the customer experienced significant improvements throughout the operational lifecycle, which led to an annual saving of US\$23,400.

Country: Pakistan

Application: Gas engine

Saving: US\$23,400 per annum

Key edge: Shell Mysella XL 40,
Shell Lube**Analyst**, Shell Lube**Coach**,
Shell Lube**Clinic**, and Shell Lube**VideoCheck**

SH10013

DESIGNED TO MEET CHALLENGES



1 The Challenge:

Using an alternative supplier, oil consumption in this gas engine was high requiring refilling after only 1,916 hours of production. A significant amount of downtime was experienced due to regular refills and the customer turned to Shell for a solution to reduce consumption and increase productivity.

2 The Solution:

In addition to the supply of best in class Shell Mysella XL 40, key to the effective solution was the support services Shell provided:

- Shell Lube**Coach** onsite technical seminar
- Shell Lube**Clinic** mobile testing facility
- Shell Lube**VideoCheck** service
- Shell Lube**Analyst** oil condition monitoring
- Technical backup support

3 The Outcome:

The customer achieved very significant and valuable results through this exercise including:

- Reduction in downtime of engine
- Maximum productivity
- Increase in oil life by 100%
- Increase in oil drain intervals by 100%

4 The Value:

Through the use of Shell Mysella XL 40 and the additional support services, oil drain intervals and maintenance outages have both extended from 8,000 hours to over 16,000 hours. The engine was dismantled at 25,955 operating hours for a maintenance check and the condition of the engine itself was found to be good. With impressive measurable results, the annual saving can be calculated at US\$23,400.

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 XL

Long life stationary gas engine oil

Shell Mysella Oil XL is a high performance quality oil blended for use in highly-rated, 4-stroke, spark-ignition engines which require a 'low ash' oil. Shell Mysella XL 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. Shell Mysella XL is specially developed to provide extended drain intervals in those natural gas engines where oil life is a limiting operational factor.



Step change in oil drain interval

Significantly prolongs oil life relative to previous generation gas engine oils by resisting oxidation and nitration, viscosity increase and the formation of harmful acids, especially in demanding cogeneration (CHP) applications. (When used with landfill or biogases, oil life will be dependent on the level of contaminants in the gas).

Excellent piston cleanliness

Superior control of deposits in advanced designs where previous products are not satisfactory.

Optimised level of 'ash' components

Helps prolong the life of valves and spark plugs.

Low phosphorus level

Compatible with engines equipped with emission catalysts.

Main Applications

Spark-ignited gas engines fuelled by natural gas, especially those creating high oil stress. May also be used for landfill and biogases.

Complementary Products Table

Equipment	Lubricants
Engine	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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