



PAKISTANI TEXTILE MANUFACTURER EXTENDS OIL-DRAIN INTERVAL BY 40% WITH SHELL MYSELLA S3 S*

TOTAL REPORTED ANNUAL CUSTOMER SAVING
US\$43,092



COMPANY: Amtex Pvt. Ltd

COUNTRY: Pakistan

APPLICATION: Gas engine

SAVING: US\$43,092 total reported annual customer saving

KEY EDGE: Shell Mysella S3 S, Shell LubeAnalyst

Textile manufacturer Amtex Pvt. Ltd in Faisalabad, Pakistan, uses a GE-Jenbacher gas engine for power generation. The company wanted to extend the oil-drain interval of the engine to reduce the frequency of oil changes and thereby reduce production downtime.

The Shell technical team offered the Shell LubeAnalyst continuous oil condition monitoring service and held on-site lubrication training and coaching sessions for Amtex's engineers during which the team shared best practices, such as the importance of caring for air-filtration systems. Shell also recommended that Amtex should switch to Shell Mysella S3 S, a medium-ash oil for stationary gas engines.

Since changing to Shell Mysella S3 S, Amtex has increased its oil-drain interval from 1,000 to 1,400 hours and consequently reduced its lubrication and filter costs and its production downtime through fewer oil changes. The lubrication training also played an important part in extending the life of engine components and helping to reduce costs. As a result, Amtex has reported total annual savings of US\$43,092.



TSC0039

*Shell Mysella S3 S is the new name for the Shell lubricant previously known as Shell Mysella MA.

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CHALLENGE

Textile manufacturer Amtex in Faisalabad, Pakistan, uses a GE-Jenbacher gas engine for power generation. The company wanted to extend the oil-drain interval of the engine to reduce the frequency of oil changes and thereby reduce production downtime.

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SOLUTION

The Shell technical team offered the Shell LubeAnalyst continuous oil condition monitoring service, and held on-site lubrication training and coaching sessions for the Amtex's engineers. Shell also recommended that Amtex should switch to Shell Mysella S3 S.

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OUTCOME

Since changing to Shell Mysella S3 S, Amtex has increased its gas engine's oil-drain interval from 1,000 to 1,400 hours and consequently reduced its lubrication and filter costs and its production downtime through fewer oil changes.

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VALUE

As a result of extending its gas engine's oil-drain interval and taking advantage of the Shell LubeAnalyst service and lubrication training, Amtex has reported total annual savings of US\$43,092.¹

¹The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.



SHELL MYSELLA S3 S

MEDIUM-ASH GAS-ENGINE OIL

Shell Mysella S3 S is a high-performance oil for use in spark-ignition four-stroke engines that require a medium-ash oil or that are fuelled by sour gases such as landfill gas, biogas or sewage gas. It is also suitable for engines that traditionally require a medium-ash oil to protect the valve seating area of the cylinder head.

Shell Mysella S3 S satisfies the requirements of the new generation of stationary gas engines designed to meet legislation that limits NOx emissions and those that employ the latest lean or clean-burn technology.

Applications

- Spark-ignition gas engines fuelled by natural gas requiring a medium-ash oil
- Engines fuelled by sour gases
- Dual-fuel gas engines ignited using a diesel pilot fuel

Performance features and benefits

- Extended oil life. Shell Mysella S3 S significantly prolongs oil life by resisting oxidation and nitration. The high total base number (TBN) neutralises acids and provides corrosion protection, even when sour gases are used.
- Engine protection. Shell Mysella S3 S is formulated with an optimised level of ash components, which helps to prolong the life of valves in engines that require a medium-ash oil.
- With a maximum phosphorus content of 300 ppm, Shell Mysella S3 S is compatible with engines equipped with emission catalysts.



Specifications, approvals and recommendations

Shell Mysella S3 S is suitable for use in engine types where a medium-ash oil is required. Shell Mysella S3 S is approved by GE-Jenbacher: Series 2, 3 Fuel Class B and C and CAT; MAN B&W Diesel: gas engines (natural gas, landfill gas/digester gas/biogas), dual fuel (pilot diesel); MAN: 3271-4; MDE: naturally aspirated 28xx, 30xx (D/M), turbocharged 28xx, 30xx (T/L/Z); MHI: Mitsubishi Gas Engines; Rolls-Royce: KG-1, KG-2, KG-3 (biogas operation); Waukesha: cogen application (pipeline quality natural gas); and Wärtsilä: CR26.

For engines under warranty, Shell advises contacting the engine manufacturer and your Shell representative before using the oil.

Complementary products

Application	Lubricants
Greases	Shell Gadus (including Shell Tactic EMV lubricator systems)
Industrial gas turbine oil	Shell Turbo GT
Heavy-duty engine oil	Shell Rimula