



## CONTACT US

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## Silicon Analysis

Siloxanes in bio-fuels can significantly affect both the performance and cost of operation of gas engines, gas turbines, micro turbines and flares. Evaluation of the siloxane mass is essential if operating issues affecting plant reliability and profitability are to be efficiently addressed.

The Spectro | Jet-Care Silicon Analysis sampling method, combined with quality analysis, provides valuable information and guidance in determining the presence and quantity of siloxanes in landfill and digester gas. It is able to deliver quick, non-speciated, repeatable results with low detection limits therefore identifying the total level of silicon in the fuel gas.

### BENEFITS

Understanding the level of fuel contaminants in an ever changing fuel stream is essential to the bio gas engine operator.

- Silicon testing provides an estimation of the total silicon in the combustion gas.

- It can assess the bulk silicon values in the incoming gas stream to establish if cleanup is advised.
- Used before and after filtration equipment it can confirm the effectiveness of that system.
- The results are repeatable and provide the building blocks for accurate maintenance decisions on bio-fuelled engines.
- Regular monitoring ensures that filtration equipment needs are optimized and the power plant is protected.

The expertise and insight provided by Spectro | Jet-Care, coupled with clear and concise reporting, ensures that expensive downtime and unexpected repairs can be avoided.

Contact us to find out more about silicon analysis and our easy to use test kit.

