

Customer Service – Oil quality test equipment

Description

Operating a power plant is a great responsibility and is especially difficult in remote locations. Efficient operation needs reliable equipment, trained staff and the highest attention to quality control during daily operation.

The fuel and lubricating oil form a major cost element in the operation of every power plant and the quality must be closely monitored.

The solution is the Power Plant Laboratory. It provides a single and comprehensive solution for:

- **Sampling fuel oil during delivery**
- **Testing the fuel oil before use**
- **Sampling the lubricating oil during use**
- **Testing the lubricating oil for contamination and degradation**
- **Linking the results in with traditional laboratory based analysis programmes**
- **Training maintenance staff on the equipment and how to use the information**

An increasing number of customers are seeing the financial logic of spending less on repairs and downtime and are investing in preventative maintenance, quality control and training.

The Power Plant Laboratory forms a key part of that support strategy, providing for constant quality control of the fuel and lubricating oil.



For Diesel engines the laboratory will test **fuel oil** for:

- **Water**
- **Salt**
- **Viscosity**
- **Compatibility**
- **Density**
- **Pour Point**

and **lubricating oil** for:

- **Water**
- **Insolubles**
- **TBN**
- **Salt**
- **Viscosity**

For **Gas engines** it will test for:

- **Water**
- **TAN**
- **Viscosity**

Monitoring fuel oils – Diesel engines

Analysis of the fuel oil requires a representative sample of the delivery, labelled and stored correctly for future reference.

Fuel samplers, documentation, sample storage and shipping systems are provided as an integral part of the *laboratory*.

Monitoring lube oils – Diesel and Gas engines

Monitoring lube oils can be undertaken in the field and by using a laboratory based analysis service. The Power Plant Laboratory provides instant and accurate results for a limited number of physical oil parameters.

Results from the laboratory can be recorded on site using special software and tests can be compared against previous readings to provide trends and trigger warnings. Machinery ID, oil hours, maintenance findings and recommended actions etc are all tagged for future reference against individual test results.

Fact sheet



Technical services
A comprehensive range of technical support services.

- Breakdown service '24 hours a day, 365 days a year' cover
- Fault diagnosis and trouble shooting service
- Consultancy

Routine service
Planned major and minor overhauls.

- Fully supported and skilled service personnel
- Routine servicing for optimum performance
- Emergency call out service

Refurbishment
Dedicated facility for refurbishment to original equipment manufacturers specifications.

- Refurbishment of a variety of mechanical plant
- Comprehensive component exchange programme minimising plant downtime
- Plant life extensions

Upgrades and retrofitting
Upgrades and retrofitting using latest technological solutions.

- Increased plant automation for improved control and maintenance
- Plant relocation services
- Second hand refurbished plant with original equipment manufacturer guarantee
- Plant duty modifications

Customer training
Extensive operator training programmes.

- Modular training courses, classroom and practical tuition
- Tailored packages to suit individual requirements
- Extensive cost savings

Engine spares
Increased reliability and tailored delivery of original equipment manufacturer spares.

- Dedicated team providing a prompt, professional response
- Latest IT systems facilitating 24 hour call back
- Long-term spares support packages
- Extended warranty on spares

Maintenance contracts
Contracts to suit individual customer requirements.

- Dedicated contract managers
- Remote / condition monitoring option
- Emergency, routine and training options available
- Fixed price or CPA contracts



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© **Rolls-Royce Power Engineering plc**
Sandland Court, Pilgrim Centre,
Brickhill Drive, Bedford, MK41 7PZ, UK.
Tel: +44 (0)1234 251 101
Fax: +44 (0)1234 211 074
email: wayne.ross@rolls-royce.com

© **Rolls-Royce Power Engineering plc**
Crossley Works, Pottery Lane, Openshaw,
Manchester, M11 2DP, UK.
Tel: +44 (0)161 223 1353
Fax: +44 (0)161 223 1738
email: wayne.ross@rolls-royce.com

www.rolls-royce.com

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