

Mobil Borescope Service[®]

Service Data Sheet

Description

Through the use of Borescopic equipment, ExxonMobil engineers can inspect, report and document the combustion space conditions of customer's engines.

The Borescope (Endoscope) allows the ExxonMobil engineer to inspect liners, piston crowns, valves and cylinder heads with minimum dismantling work.

This service allows the customer to have a clear understanding of the condition of the engine and an assessment of the effects that the fuel and the lubricant may be having on the engine.

Application

ExxonMobil engineers work with local plant maintenance and engineering personnel to:

Co-ordinate inspection dates – usually during routine maintenance periods to minimize downtime.

Visually inspect the combustion chamber spaces to assess and record the condition of:

- Piston crowns - deposit build-up, detonation damage
- Liners - wear, scuffing, lacquers, corrosion
- Valves - deposit build-up, wear, damage,
- Cylinder heads - deposit build-up, damage, water leaks

Provide photographic or video evidence of the engine condition especially when corrective action may be required.

Compare the results with previous inspection data and used oil analysis data to prepare a formal report which includes inspection findings and recommendations.

Present and distribute the report to plant management.

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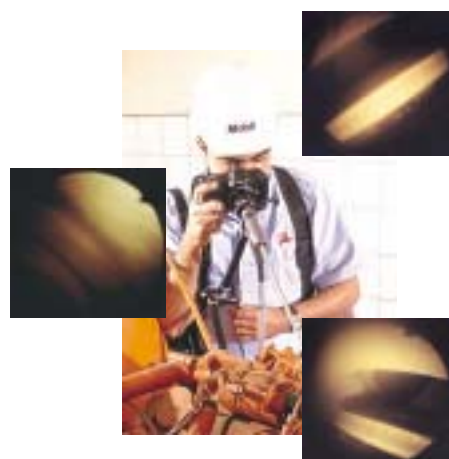
Benefits

Increased knowledge of engine condition allowing operators to:

- Reduce unscheduled downtime
- Improve scheduling of work
- Extend overhaul periods

Provide rapid troubleshooting with minimum dismantling of the engine

Optimize or adjust selection of lubricant grade to suit fuel and operating conditions.



If you're interested in 'lowest total operating costs', combine Mobil Diagnostic Service with Mobil synthetic lubricants.

It's no secret that Mobil synthetic and specialized lubricants help to dramatically reduce wear rates, withstand wider temperature ranges and run cleaner for longer.

To benefit fully from advanced lubricants, you need to map mechanical wear trends over a period to ensure that you are getting maximum life out of lubricants and components alike by oil sampling on continuous basis.



