

Mobil Diagnostic Service[®]

Service Data Sheet

Description

Mobil Diagnostic Service “MDS” is a very powerful tool to minimize unscheduled downtime and increase productivity, by analyzing the conditions of your engines and thus strongly contribute in your predictive maintenance program.

This service consists of a vehicle equipped with state of the art diagnosis equipment, which moves to customer site wherever it is, performing diagnosis and tests on engines without disassembly of any part of it.

By utilizing this service, the customer will be able to identify the conditions of his equipment, discover any hidden problems before any failure occurs and measure emissions level.

Application

- Measuring and testing all types of engines (Diesel, Gasoline and natural gas).
- Determine the condition of engines equipped on loaders, dozers, excavators, compactors, trucks, generators, buses and medium to small vehicles.
- Measuring the emission level of all types of engines.
- Helpful tool to monitor engine condition.
- Solving operating engine problems.

Benefits

Mobil Diagnostic Service allows you to look inside your engine, providing an ongoing picture of mechanical wear and engine performance, plus practical advice on managing your capital investment.

It provides:

- Engine overhaul performance and conditions.
- Reduced unscheduled downtime resulting from operating problems.

- Alignment with new environmental laws, by measuring the emission and smoke level.
- Effective maintenance schedule.
- Increased productivity.
- Earlier engine failure detection.

With the latest trend data,

- You can reduce unscheduled downtime resulting from operating problems.
- Set an effective maintenance schedule.
- Increase productivity.
- Reduce spare parts cost.
- Lower maintenance and labor cost.
- Reduce oil consumption.



Deliverable

Gasoline Engines

Mobil Diagnostic Service	Emission Tests	Engine Performance Tests
	CO (% Volume)	RPM
	CO ₂ (% Volume)	RPM Variation
	Hydrocarbons (PPM)	Relative Cylinder Comp.
	O ₂ (% Volume)	Ignition angle
	RPM	Ignition Voltage Analysis
	λ	Cylinder Balance
		Power
		Torque

Diesel Engines

Mobil Diagnostic Service	Emission Tests	Engine Performance Tests
	Opacity During idling	RPM
	Opacity during acceleration	RPM Variation
		Relative Cylinder Comp.
		Injection angle
		Injection System Analysis
		Power
		Torque

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 a continuous basis.

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