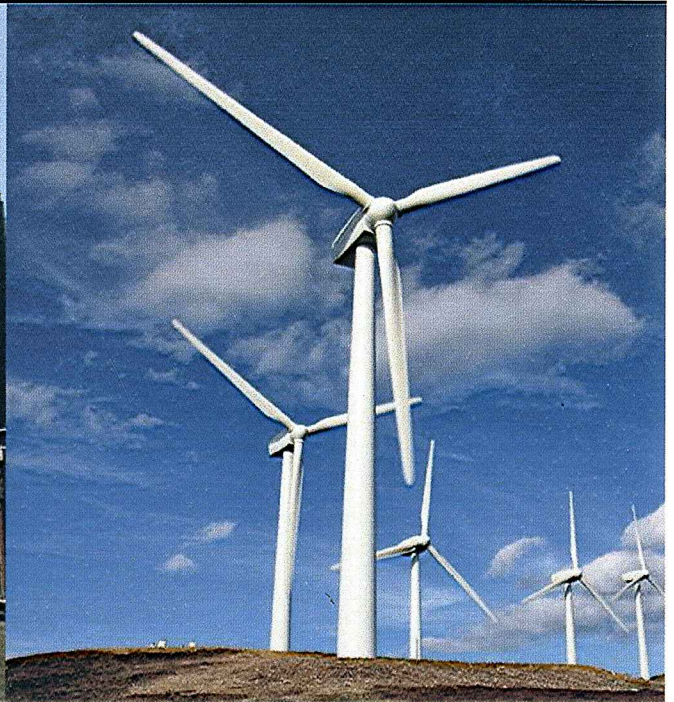
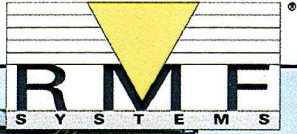


CONDITION MONITORING

Oil Quality Sensor



Key Facts

Environmental

Strict schedule based maintenance programmes have several downsides. Environmental experts argue that the greatest of these is the preventable waste. The Oil Quality Sensor (OQS) real-time monitoring sensor makes extending the oil service life effortless.

Market leading

The Oil Quality Sensor (OQS) is 30 times more sensitive to oil contamination than any other dielectric constant measuring sensor.

Universal

Reliably measures contamination in all industrial equipments, including:

- Diesel and petrol engines
- Compressors
- Industrial gear reducers
- Wind turbines
- Generator sets
- Hydraulic systems

Robust

Resistant to high temperatures and pressures up to 20 bar.

Technical specification

Intelligent

The OQS measures the energy loss component of oil permittivity.

All contaminants such as metallic particles, soot, water, oxidization, glycol and particularly burnt fuel dilution increase this measured value.

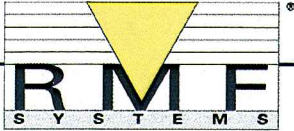
- Analogue output : 4-20mA
- Communications : CAN, RS232 & RS485
- Detection: : 0-100 oil quality units
- Fluid compatibility: Mineral & synthetic oil
- Fluid temperature: -20 °C to 120 °C
- Inputs : Calibration by push button or contact closure
- Max fluid pressure: 20 bar
- Options : Various cable length can be supplied with mating connector.
- Stand alone display unit on request
- Power supply : 9-30VDC
- Protection class : IP67
- Range : 0-100 Oil Quality Units
- Repeatability : 3%
- Weight : 160 g
- Output connection : 6 pin standard industry



**Managing your oil
contamination**

CONDITION MONITORING

Oil Quality Sensor



Oil Quality Sensor OQS

The Oil Quality Sensor (OQS) from RMF Systems puts you in control with real-time monitoring of contamination and water ingress.

Expensive oil changes are now based on oil condition, not on historical schedule.

The requirement to implement an effective monitoring and maintenance programme for lubricants in critical plant machinery has never been greater.

With the escalating price of crude oil and the vast improvements that are being seen in the quality of lubricants available today, it is more important than ever for organisations to ensure that they are maximising the service life of the oil used.

Monitoring oil condition is clearly fundamental to understanding the optimal time to change.

**Change to early and the cost is significant !
Change too late and the costs can be even greater!**

The sensor is a live, highly flexible and cost effective condition based monitoring solution, designed to be permanently mounted within any lubrication system on any type of machine.

Over 30 times more sensitive to oil contamination than any other dielectric constant measuring sensor, it provides real-time monitoring of water ingress and oxidation levels.

"A reliable means of monitoring the condition of engine oil will permit a new kind of just-in-time maintenance ,and that could save millions of quarts of oil a year"

*John de Gasparini,
"recording oil's vital signs"
Mechanical Engineering Magazine*

Benefits

- Reduced maintenance cost
- Extended oil change intervals
- Scheduled downtime intervals for increased productivity
- Reduced waste oil cost
- Improved equipment reliability
- Low cost investment tool
- Reduced carbon foot print
- Reduces total cost of ownership



**Managing your oil
contamination**