CENT Condition Monitoring Service

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The CENT System

CENT

The CENT condition monitoring service is a state of the art production management tool that indicates the condition of the fluid and equipment by measuring wear trends, additive levels and sources of contamination.

The report is forwarded to the customer to enable the maintenance actions required, thus reducing the chance of unpredicted machine breakdown.

Anticipating the need for fluid change, or preventing further damage being caused, results in improved scheduling of maintenance activities, reduced downtime and maximum return from your lubricant expenditure.

This tailor made, predictive condition monitoring system uses oil wear analysis combined with sophisticated computer software to highlight problems before they occur.

Clear and precise feedback is given to the customer in a regular, accurate, detailed report that highlights status indicators in graphical trend format.

CENT is a carefully designed programme supported by experienced lubricant engineers.

- Is simple to implement, easy to use and understand and requires no investment in personnel or technology on behalf of the customer.
- Uses a simple to understand 'traffic light' system.
- All reports available online or available via e-mail.
- Has a proven track record in improving efficiency and reliability of machinery across many industries.
- Saves companies money.

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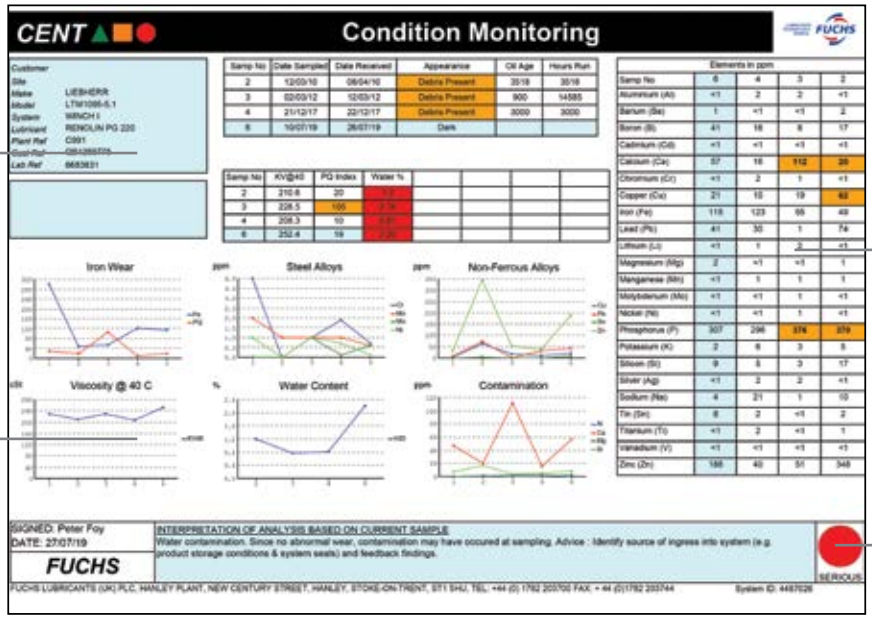
Example CENT Report

CUSTOMER AND MACHINE DETAILS

GRAPHICAL TRENDS



EASY TO UNDERSTAND DATA

INDICATES REPORT STATUS

Where can CENT be used?

The FUCHS CENT System can benefit a wide spectrum of mechanical plant & equipment including:

- ✓ Engine
- ✓ Gearboxes
- ✓ Compressors
- ✓ Hydraulic Systems
- ✓ Transmissions
- ✓ Machine Tools
- ✓ Turbines
- ✓ General Lubrication Systems

Sampling Frequency Recommendations

Application	Conditions	Frequency
Gearbox - Automotive & Industrial	Heavy Loading / High Temperature (>65°C) / Wet, Dirty Conditions / Continuous Operation	Monthly
	Light Loads / Normal Temperature (< 50°C) / Clean Operating Conditions	2-3 Monthly
Hydraulic Industrial	Heavy Loading / High Temperature (>65°C) / Wet, Dirty conditions / Continuous Operation	Monthly
Hydraulic - Machine Tools, Light Applications	Light Loads / Normal Temperature (< 50°C) / Clean Operating Conditions	3-4 Monthly
Hydraulic Automotive	Wet Dirty Conditions / Continuous Operation	Monthly or 250hrs
Air Compressors	Continuous Running (>60% Duty)	Monthly or 500hrs
	Intermittent Running	2 Monthly
Engines - Mobile Plant	Off-Highway Conditions	10,000km or 250hrs
Engines - Static Plant	Enclosed Dry Conditions	500 - 1000hrs