



CONDITION MONITORING



LABORATORY ANALYSIS AND MEASUREMENT SYSTEMS



Internormen in-house laboratory has the capability to provide accurate and immediate analysis results and solutions for mobile and stationary hydraulic systems by teaming up with the fluid management experts.

Critical Analysis

Fluid is the lifeblood of every hydraulic power system. To keep it running efficiently and effectively, you need to know what's in it.

Eaton can increase your productivity by helping you reduce catastrophic equipment failures, maintain optimum component performance, and identify any substandard maintenance practices.

Clear Benefits

Eaton offers testing designed to tell you the most about your hydraulic fluid using sophisticated computer programs and laboratory diagnostic equipment.

Comprehensive Testing

The Eaton Fluid Analysis Service is certified to ISO 12025 and offers a full range of tests specifically designed for the analysis of hydraulic and lubrication system fluid. Our laboratory equipment and test procedures provide an exact analysis of your hydraulic or oil lubricated system, and our drawdown particle isolation procedure ensures accurate results.

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Eaton presents your fluid test results in an easy to understand format. Results typically include:

Results Target

Trend Information

Cleanliness Code Graph

Products

LPC 02 - Set Laboratory Particle Counter

PAS 01 Sampling and Oil Analysis Kit

WAS 01 Water Analysis Kit

Drop-ball Viscosimeter

Microscope Set

ON/OFF LINE MEASURING SYSTEMS



Because external factors have an extensive influence on the lubricant during operation, knowing particle size distribution on the contamination, water saturation, and temperature enables the user to evaluate the precise condition of a system. This information helps promptly initiate actions and cost-saving measures before any failures can occur.

Internormen on-line and off-line monitoring systems are mobile measuring systems designed for monitoring hydraulic and lubrication fluids. Immediate and accurate diagnoses are made, enabling the user to determine the aging condition of oil by measuring different parameters and thereby making a precise assessment of a system's condition or components.

Products

CCS 4 - Contamination Control System

OCM 01 - Oil Condition Monitor

WHS 01 Set

SENSORS



Internormen offers a selection of metal particle and water-in-oil monitoring sensors. The MPS series, designed as inexpensive in-line monitoring solutions for stationary and permanent operations, detects metal particles using an inductive measuring technique. The WSPS water contamination sensors are designed for quick and reliable off-line measurements of saturated water in oil.

Products

Metal Particles MPS 01.2 – Detects metal particle $>200 \mu\text{m Fe}$

MPS 02.1 – Detect metal particles $\geq 260 \mu\text{m Fe}$

MPS 03.1 - Detect metal particles $\geq 350 \mu\text{m Fe}$

Water Contamination WSPS 01 – a monitoring and diagnostic sensor designed for quick and reliable off-line measurements of saturated water in oil

WSPS 05 – an effective diagnostic system with an integrated thermal sensor for determining the saturation level of water in oil