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Your Oil is Talking...
....Are You Listening?

LubeSpy OMS 2200

Condition Monitoring is all about
Detecting the Problems Early.

Conventional Oil Sampling and Analysis has been ineffective due to numerous challenges. Automating the Realtime data collection, analysis and Online reporting of oil health eliminates major risks. Our latest "Online Oil Monitoring System", the **LubeSpy OMS-2200**, analyses Oil Condition automatically, so you can rapidly apply proactive maintenance actions.

Provides a better understanding of:

- ▶ Oil Condition
- ▶ Machine Condition
- ▶ Contamination Condition.

Key Benefits:

- ▶ Increased Productivity
- ▶ Improves machinery reliability
- ▶ Reduces machinery downtime
- ▶ Optimizes maintenance Cost
- ▶ Increased Plant Safety

Lubricants are the Life Blood of our critical machinery.

Let's treat the Lubricants like our "Assets"

*The beginning of a new era in Lubricant
Condition Monitoring....*



LubeSpy OMS-2200

Online Oil Monitoring System

Online oil
monitoring system

Advantages

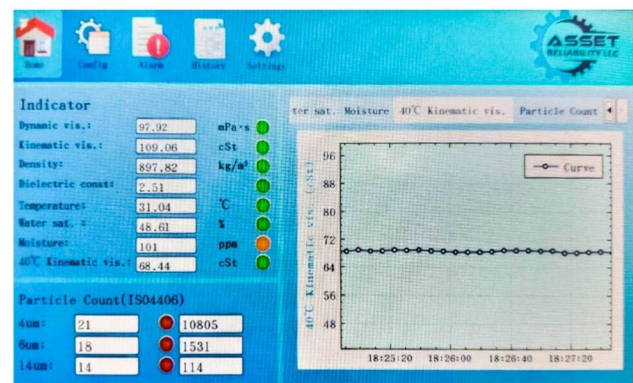
- ⌘ Easy installation
- ⌘ Integrated design
- ⌘ Wide monitoring range
- ⌘ Remote diagnosis system

Online oil monitoring system

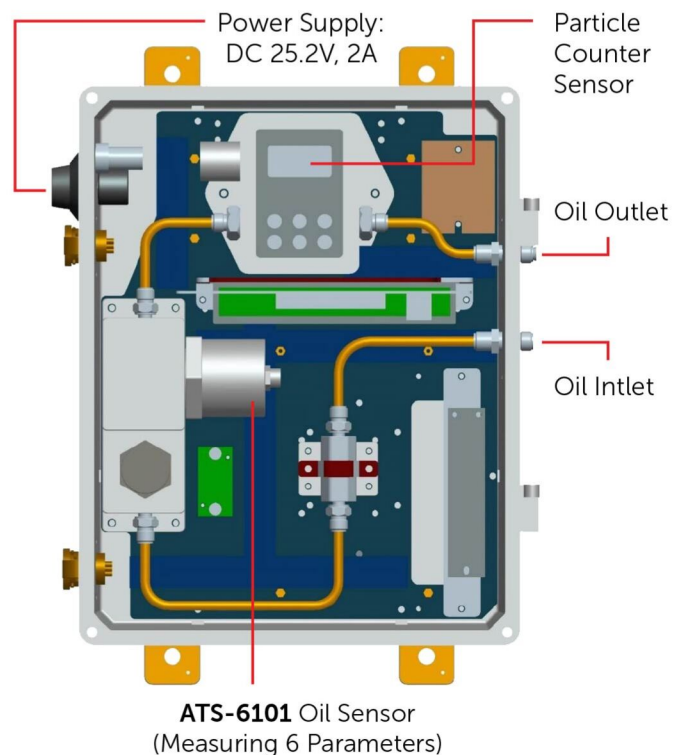
Test Parameters

- ▶ Particle Count ISO 4406
- ▶ Kinematic Viscosity at 40 deg C: 1~500cSt; Accuracy: + - 5%
- ▶ Water Saturation %: 0 to 100%; Accuracy: $\pm 3\%$
- ▶ Moisture content (optional): 0-2000 ppm; Accuracy: $\pm 10\%$ or 10ppm
- ▶ Density: 600~1250kg/m³; Accuracy: $\pm 2\%$
- ▶ Dielectric constant: 1-6 level; Accuracy: $\pm 5\%$
- ▶ Temperature: 0~100°C; Accuracy: $\pm 0.5^\circ\text{C}$

Online test data for ISO VG 68 Hydraulic oil



LubeSpy OMS-2200



Online oil monitoring system Key Features

ATS-6101
(Oil Sensor)

- ▶ Integrated ATS-6101 Sensor (six-in-one), which can real-time detect and monitor the density, viscosity, dielectric constant (oil quality and aging state), water saturation, moisture, and temperature.
- ▶ Online Particle Counter ISO 4406
- ▶ Easy installation and on-site check test results, wide range of detection, can work on 24 hours for better trend analysis of oil condition.
- ▶ Size: 352*278*160mm
- ▶ Weight: 13KG; / Shipping weight: 25KG
- ▶ Included items: 7 inch display screen, software design, built-in sensors, oil tubes, oil grooves, wiring and circuit design, 4G module for wireless data transfer, power supply adapter, fixtures etc.



Key Features

Software display interface and functions

- ▶ Directly check real-time test result on display.
- ▶ Connect to control center or PLC through **RS485 MODBUS** protocol communication;
- ▶ Wireless data transfer (Option) to cloud platform for remote checking and control via local SIM card.
- ▶ Given viscosity value at 40°C for reference according to actual viscosity test result.

- ▶ Historical data check for around 5 years.
- ▶ Trend analysis on each test parameters.
- ▶ Alert setting and warning setting.

Installation condition requirements

- ▶ Pressure should be less than 10bar.
- ▶ Flow rate should be less than 0.3 m/s.
- ▶ The installation position shouldn't have heavy vibration.



For more details on this product:
Drop us a message: info@assetreliable.com

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