

Early Warning

icount Lubrication and Hydraulic Oil Monitoring system



An all-in-one particle detection system

Developed around the proven Parker icountPD particle detector

Particle detection is the best known way to determine whether oil is contaminated or not and the best way to detect particles online or offline is by using Parker's icountPD. To make results even easier to obtain we added some extra equipment.



Contact Information:

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Product Features:

Wind turbines

- Gear boxes
- Hydraulic systems in pitch, yaw and brake

Shipping and shipbuilding industry

- Propulsion systems
- Thrusters
- Deck machinery

Steel and pulp & paper industry

- Lubrication oil systems
- Hydraulic system control of presses and winders

Power generation

- Lubrication oil systems
- Hydraulic system control for fuel feeding

Proactive maintenance with icount

With the icount System, the early bird stands every chance of catching the worm.

Be that early bird and schedule oil changes through predictive maintenance of the system and plan service times. Parker's icount system provides early warning of any unwanted changes in hydraulic or lubrication oil quality. Thus increasing the availability of the machinery by reducing the need for unnecessary downtime.

Insurance companies are able to lower fees as the icount System warns of possible component failure. It also reduces the warranty costs thanks to an integrated pump unit that enables a cost effective solution to monitor oil from different points of a system.

icount SYSTEM		
	Standard	Options
Electric motor	230VAC	110VAC, 24 VDC
Pump	X	
Flow control unit	X	
Pressure control valve		for pressurized systems
Particle detector	icountPD	
Local display	led	none, digital, GSM
Communications	RS232	RS232/4-20mA, RS232/0-5V, RS232/Canbus
Moisture sensor		X
Limit Relay		X
Cable connector kit	M12 - 8 pin	
Short start module		X
Mounting	bracket	sealed box

Parker's icount System housing can include several options to guarantee uniform sample handling and measuring any required aspect of oil quality.

You can trust icount accuracy

Parker icount Lubrication and Hydraulic Oil Monitoring System is available today. It features Parker's laser technology and all necessary components for reliable monitoring up to 1000 cSt oil viscosities. The unit allows

system monitoring and accurate particle detection from any available source.

A moisture sensor as an option to measure the relative humidity of the oil and other add-on sensors like viscosity measurement are also available.

Several power versions for easy installation and worldwide operation are

available. The system is capable of data transmission in multiple forms and central control can collect information and manage easily for example large marine wind farms off shore and on land.

A special design for wind turbine applications with pressurized connection is available. Correct oil pressure and steady flow ensure consistent measuring.



icountPD

For more information contact Parker.

The icountPD Particle Detector from Parker represents the most up to date laser based technology in particle detection. Standard in every icount Monitoring System.