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LinerSCAN - Cylinder Liner Monitor

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Part # FG-K17401-KW



Parker LinerScan system is designed to remove the uncertainty of cylinder damage resulting from low fuel quality, slow steaming, low sulphur levels, lower oil feed rates and cylinder oil formulation changes.

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Technical Specifications

Operating Pressure:	10 barg, 145 psi	Electrical Requirements:	24 VDC
Technology:	Filtration, Hydraulics	Communication Interface:	CANbus
Minimum Fluid Temperature:	10 °C, 50 °F	Signal Output:	4 to 20 mA
Maximum Fluid Temperature:	65 °C, 149 °F	Cycle Time:	30 min
Operating Temperature:	0 to 65 °C, 32 to 149 °F	Specifications Met:	CE Certification
Brand:	Kittiwake	Ingress Protection Rating:	IP65
Division:	Hydraulic & Industrial Process Filtration Division	Materials of Construction:	Mild Steel
Industry:	EMEA	Seal Material:	Fuorocarbon
Product Type:	Marine	Body Material:	Mild Steel
Product Style:	Condition Monitor	For Fluid Type:	Cylinder Oil
Flow Rate:	Particle Detector/Counter	Weight:	17 kg
Port Size:	> 30 L/min	Height:	300 mm
Port Type:	1/2 inch	Length:	300 mm
Sensing Method:	BSP	Width:	94 mm
	Ferrography	Air Inlet Connection Size:	1/2" BSP
		Options:	one per engine

[Safety Warning](#)

Item Information

The world's first real-time alarm system for engine liner wear. LinerSCAN marks a new era in asset protection, providing early warning against critical engine damage whilst providing the information needed to save on lube oil costs. Parker Kittiwake's LinerScan system is designed to remove the uncertainty on cylinder damage resulting from low fuel quality, slow steaming, low sulphur levels, lower oil feed rates and cylinder oil formulation changes. Why is it becoming increasingly important to monitor wear?

- Financial savings
- Optimize feed rates
- Highlight problems with low sulphur fuel

- Preventative maintenance
- Reduce wear of your cylinder liners
- Prevent engine damage and down time



Home

System Benefits:

LinerSCAN provides highly accurate feedback about the wear condition in your engine. Trials have shown that LinerSCAN highlights the first signs of damage earlier than other systems and enables safe reduction of lubricant feed rate. If the wear rate increases during normal conditions the system will generate an alarm which, when connected to the ships alarm, provides instant feedback allowing for immediate action. This allows for preventative maintenance during the ships passage to the next port, or even a route change. LinerSCAN is a fully automated system and can help save money by optimizing the lubricant feed rate, reducing your maintenance loads and by helping you prevent unnecessary engine damage.

Industries

- Provides accurate and actionable data on your engine wear levels
- Enables safe reduction of cylinder oil feed rates
- Dramatically reduces engine damage by spotting the first signs of scuffing or piston ring damage

Solutions

- Identifies the issues caused by fuel problems
- Allows an informed running-in process
- Fully automated – with no human interference

Where to Buy

- Provides savings immediately after installation
- Simple installation for both new and retrofit

Features:

- Highly capable communications enable the system to link with ship management systems.
- Bespoke user-friendly software interface for data evaluation onboard or in the office.
- LinerSCAN takes the use of oil analysis data a stage further than is possible with laboratory or test kit results
- Reliable and robust – Once installed, the the system requires minimal intervention
- Compact units require little space per cylinder
- LinerSCAN utilises patented ANALEX technology from Parker Kittiwake

For more information or a detailed discussion about your specific requirements please contact Parker or an authorised Parker distributor.

CAD Drawings + Files



Related Documents



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