

MetalSCAN
On-Line Oil Debris Monitor

Extra sensory protection



GASTOPS



F119 engine



F135 engine



EJ200 engine



Sea King S-61 main transmission

The Advantages:

- Provides early, reliable damage detection and damage severity quantification
- Applicable to all engine, gearbox and transmission pressurized lubrication systems
- Fully integrated into lubrication system design for reduced weight and increased reliability
- Insensitive to normal wear debris - no false alarms due to gear meshing 'fuzz'
- Capable of discriminating build debris from component damage debris
- Reduces chip detector inspections and oil sampling to on-condition maintenance actions
- Flexible electronics architecture - easily interfaced to or integrated into health monitoring systems

The Technology:

- Unique full flow design provides 100 per cent detection efficiency
- Incorporates patented three-coil inductive detection principle
- Detects, sizes and distinguishes ferrous and non-ferrous metallic particles
- Qualified to harsh on-engine/on-aircraft environments including temperature, pressure, vibration and EMI
- Powered from standard 28VDC aircraft power

Applications:

- Sea King S-61
- Eurofighter Typhoon
- Pilatus PC-12
- F-22 Raptor
- F-35 Joint Strike Fighter

When
mission success
depends on aircraft
availability

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