

**MetalSCAN**  
On-Line Oil Debris Monitor

# Extra sensory protection



**GASTOPS**



PC 12 Engine



F135 Engine



EJ 200 Engine



S-61 Main Transmission

### The Advantages:

- Provides reliable early detection of bearing and gear damage
- Quantifies damage severity and enables condition trend monitoring
- 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 "fuzz"
- Eliminates need for scheduled chip detector inspections and oil sampling

### The Technology:

- Unique full flow design provides 100 per cent detection efficiency
- Incorporates patented three-coil inductive detection principle
- Detects, sizes and counts both ferrous and non-ferrous metallic particles
- Qualified for on-engine/on-aircraft operating environments
- Flexible electronics architecture - easily interfaced to aircraft monitoring systems
- Cockpit indication for safety-critical applications
- Powered from standard 28VDC aircraft power

### Applications:

- Pilatus PC-12
- SeaKing S-61
- F35 Joint Strike Fighter
- F22 Raptor
- Eurofighter Typhoon

Reliable  
**detection**  
of critical  
component damage

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