

NEW
for LM2500+
LM6000

Introduction of VBR MetalSCAN as a service

As of now MetalSCAN online detection and monitoring is also available as a service package at a monthly subscription fee. This all-inclusive option requires no CAPEX investment because all hardware and diagnostic information are incorporated in the monthly service fee.

No initial investment required

NEW MetalSCAN as a service!



Comparison chart

Early bearing and gearbox damage detection in LM gas turbines

	ECD electronic chip detector	MetalSCAN single-sensor system	VBR MetalSCAN solutions	
			MetalSCAN dual-sensor system NEW as a service	MetalSCAN multi-sensor system NEW as a service
In-line oil debris detection & monitoring		✓	✓	✓
Continuous online inspection, no engine stops		✓	✓	✓
Live monitoring and damage progress trending		✓	✓	✓
Generic early detection of failure		✓	✓	✓
More specified early detection of failure			✓	✓
Expandable to multi-sensor monitoring			✓	included
Accurate early detection of failure			✓	✓

MetalSCAN as a service

- ✓ At a monthly service fee
- ✓ No initial investment required
- ✓ Including remote technical support
- ✓ Including maintenance service package
- ✓ Including hardware and diagnostic information



MetalSCAN is the most effective early detection system for bearing damage in aeroderivative gas turbines available today. It is designed for very early detection of upcoming bearing failure and for continuous monitoring of the bearing damage progress over time.

Learn more about MetalSCAN as a service?

Call: +31 88 010 9030 | global@vbr-turbinepartners.com

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Purpose of MetalSCAN

Sudden bearing failure can happen in all aero-derivative gas turbines and cannot be predicted in an effective way yet. It will lead to unscheduled engine shutdowns, loss of production and revenue, extra repair costs and can even lead to expensive secondary damage in your GT engine. The best way to prevent these consequences of unexpected bearing failure is to detect the very beginning of a bearing damage and to closely monitor the bearing damage progress over time.

This bearing damage progress information will enable you to:

- ✓ Schedule a bearing or engine exchange stop
- ✓ Do so at a convenient moment for your business
- ✓ Prepare for a bearing or engine exchange on site
- ✓ Minimize engine outage time for repair or replacement
- ✓ Avoid expensive secondary damage to your GT engine
- ✓ Be more in control of your gas turbine operation

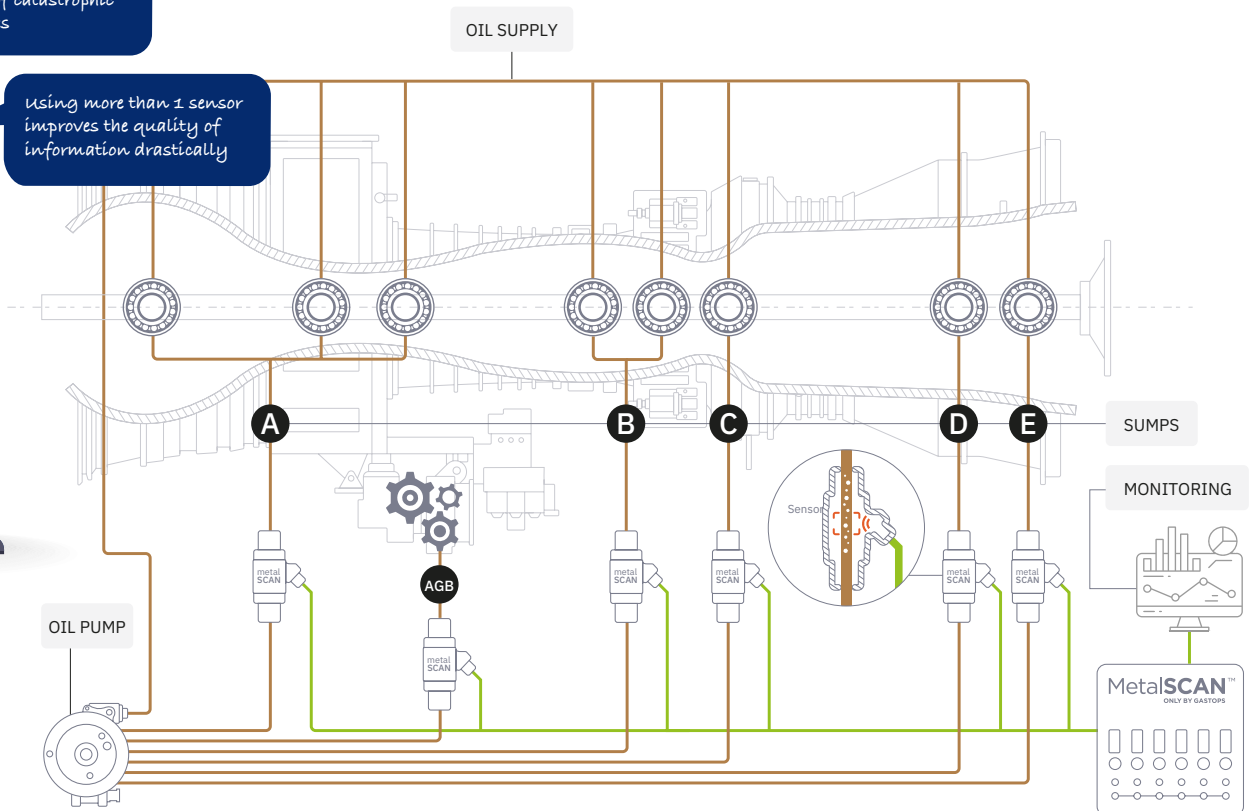
Overview

Oil flow with MetalSCAN multi-sensor system

Protect yourself against the consequences of catastrophic bearing failures



Using more than 1 sensor improves the quality of information drastically



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