

OIL CONDITION MONITORING

# TURBINE OIL TESTING

TurbineCHECK™ supports turbine operations, helping to improve reliability with expert turbine fluid testing and condition monitoring





# TurbineCHECK™ - Total Quality Assurance for Turbines

---

TurbineCHECK™ program provides regular quality control testing of mission critical fluids needed to maintain turbine operations, reducing the threat of turbine downtime and repair. By tracking changes in the quality, chemical, and physical properties of turbine fluids, Intertek Caleb Brett experts can alert client's to potential or developing problems, allowing time for preventative repairs and maintenance, helping avoid serious breakdowns, stoppages, and incidents. Providing total peace of mind.



Intertek Caleb Brett's TurbineCHECK™ Global Testing and Monitoring services provide clients with the confidence to power ahead with safety.

### Helping Turbines Remain Operational and Reliable

Turbines have heavy usage demands placed upon them, often in harsh and forbidding environments. High levels of operational reliability are needed to ensure turbine installations are running to expected design, performance, and safety specifications. Turbine failures can be very expensive, potentially dangerous, and highly disruptive to normal business

### Global Testing and Monitoring Services

- Turbine gearbox oil and hydraulic fluid testing
- Particulate and debris analysis
- Filter analysis
- Grease testing
- Contamination analysis
- Supply of test sample kits and rapid courier service
- Forensic engineering and mode-of-failure expertise

### Related Wind Turbine Testing Expertise

Intertek Caleb Brett experts help wind power clients to better design, produce, install and maintain turbines for enhanced performance, reduced downtimes and greater productivity. Caleb Brett's testing services help turbine manufacturers, component manufacturers, power generation companies and others. Services include:

- AWEA 9.1 Standard Testing and Certification (small wind turbines)
- Electrical Safety Testing for Wind Turbines
- Microgeneration Certification Scheme (MCS)
- Mechanical Performance Testing
- Failure Analysis and Materials Testing
- NDT

### Intertek Caleb Brett Turbine and Power Generation Expertise

The TurbineCHECK™ program complements and brings together a wide range of

international technical services and expertise supporting the power generation and transmission industries. Caleb Brett helps clients improve operations and profitability while reducing safety, performance and business risks.

The SmartTrack Program helps large wind turbine manufacturers get on the track to certification, while at the same time fulfilling the requirements for field labeling. The Program ensures that qualification for field labeling is completed as quickly as possible to get large wind turbine manufacturers ready for installations while simultaneously focusing on the certification process.

Intertek's Energy & Water Consultancy (formerly Metoc) marine consultancy specialists help developers, financiers, offshore transmission owners, government and regulators to manage risk of all marine-related issues.

Our consultancy services are tailored to our clients' requirements, from early planning through design and consent to construction, operation, life extension and decommissioning. Active in the offshore wind sector since 1997, we provide our clients with technical services throughout the lifecycle of the project.

### WindAware™

The WindAware™ Asset Integrity management software tool helps asset owners and operators organize information and increase cooperation among groups for improved safety, efficiency, performance and reduced risks.

WindAware™ is one of a suite of cloudbased applications used at over 350 facilities worldwide.

A few of the WindAware™ benefits include:

- Documenting asset information for owner / operator
- Reduction in forced outages based on improved availability of data / knowledge / analyses
- Reduced time manually analysing and searching for data
- Efficient outage report writing



---

**Africa****Asia Pacific****China****Europe****Middle East****USA**

+27 011 552 8149 +65 6322 8228 +86 21 58996377 +44 1708 680 248 +971 6 5387036 +1 888 400 0084



turbinecheck@intertek.com



intertek.com/ocm/turbine-oil-testing    intertek.com/power-generation