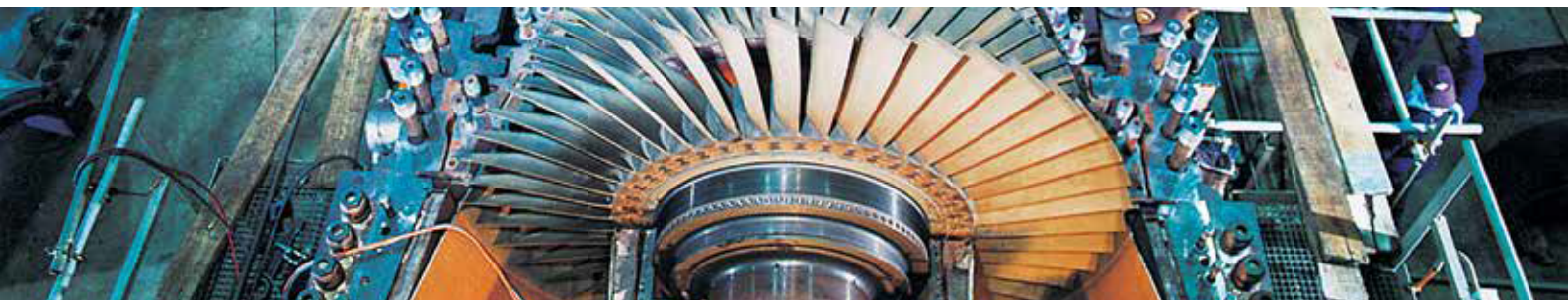


Gas and steam turbine analysis



- This service monitors turbine and lubricant conditions to detect premature wear and contamination

Description

This service is designed to help you detect premature wear and lubricant contamination before they result in costly downtime or expensive repairs. Turbine analysis is applicable for gas and steam turbines operating in continuous or intermittent service. It includes testing to help improve turbine reliability by monitoring system cleanliness and lubricant performance.

Potential benefits



Improved equipment reliability by identifying potential failures before they occur



Increased productivity through reduction of unscheduled downtime




Reduced parts replacement and labor costs



Reduced lubricant consumption and disposal with optimized drain interval

Analysis options — Gas and steam turbine

	Essential ◆	Enhanced ◆◆	Elite ◆◆◆
Metals	✓	✓	✓
Nitration			✓
Oxidation	✓ ★	✓ ★	✓ ★
Particle Count		✓	✓
Particle Quantifier (PQ) Index		✓	✓
Total Acid Number (TAN)	✓	✓	✓
Ultracentrifuge			✓
Viscosity* at 40°C or 100°C	✓	✓	
Viscosity at 40°C and 100°C			✓
Viscosity Index			✓
Water (Pass/Fail)	G		
Water Vol % Karl Fischer	S	✓	✓

Key



Included test



TAN in lieu of oxidation for select synthetic products



Gas turbine only



Steam turbine only

*Viscosity reported at 40°C or 100°C, based on oil type or service level. Analysis may vary by laboratory, product supplied or oil condition.

Sample frequency

Sample at OEM recommended frequency or, for general guidance, begin with: **Monthly**.

Adjust frequency based on asset's economic impact, operating environment, machine age, oil age or sample results trend.