

System analysis



- This service monitors hydraulic, circulating, gear and compressor oils for premature wear, contamination and oil condition

Description

System analysis can help you optimize your lubrication program and detect equipment problems before they cause expensive outages. This analysis is applicable for hydraulic systems, gear drives, compressors and circulating systems.

Precision systems depend on system cleanliness and lubricant deposit control to operate at peak efficiency. Elite analysis service includes advanced tests to monitor system health and help further optimize oil 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



Minimized lubricant consumption and disposal with optimized drain interval

Analysis options — System analysis

	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	✓	✓	✓

For compressors, add

Coolant Indicator	✓	✓	✓
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Key



Included test



TAN in lieu of oxidation for select synthetic products

*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: **3 months or 500 hours**. Adjust frequency based on asset's economic impact, operating environment, machine age, oil age or sample results trend.