

# Suitability for continued use analysis



- This extended service analysis helps determine suitability for continued use in critical applications.

## Description

Monitoring system performance through routine lubricant analysis provides useful information to support reliability and maintenance decisions. However, for certain critical applications that are subject to demanding operating conditions, we provide a more extensive level of analysis to help ensure accurate lubricant and equipment assessment.

### 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 – Suitability for continued use

Demulsibility	✓
Foam Test Sequence I	✓
Metals	✓
Nitration	✓
Oxidation	✓ ★
Particle Count	✓
Particle Qualification (PQ) Index	✓
Rotation Pressure Vessel Oxidation Test (RPVOT)	✓
Total Acid Number (TAN)	✓
Ultracentrifuge	✓
Viscosity at 40°C and 100°C	✓
Viscosity Index	✓
Water Vol % Karl Fischer (KF)	✓

### Key

✓ Included test

★ TAN in lieu of oxidation for select synthetic products

Analysis may vary by laboratory, product supplied or oil condition. Contact your local ExxonMobil representative for additional details.

### Sample frequency

Sample at OEM recommended frequency or, for general guidance, begin with: **Quarterly**. Adjust frequency based on asset's economic impact, operating environment, machine age, oil age or sample results trend.