

# Natural gas engine analysis



► This service monitors natural gas engine oil for premature wear, contamination and oil condition

## Description

This service is applicable to engines running clean natural gas or dual fuel applications. In addition to monitoring oil condition, this analysis helps you detect premature engine wear, coolant leaks and lubricant contamination.

### 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 – Natural gas engines

	Essential ◆	Enhanced ◆◆	Elite ◆◆◆
Coolant Indicator	✓	✓	✓
Metals	✓	✓	✓
Nitration	✓	✓	✓
Oxidation	✓ ★	✓ ★	✓ ★
Particle Quantifier (PQ) Index		✓	✓
Soot	✓	✓	✓
Total Acid Number (TAN)	★	✓	✓
Total Base Number (TBN)		✓	✓
Viscosity* at 40°C or 100°C	✓	✓	
Viscosity at 40°C and 100°C			✓
Viscosity Index			✓
Water Vol % Fourier transform infrared spectroscopy (FTIR)	✓	✓	
Water Vol % Karl Fischer			✓

### Key

- ✓ Included test
- ★ TAN in lieu of oxidation for select synthetic products  
Required by RICE NESHAP

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