Landfill gas engine analysis

This service monitors engine and lubricant conditions to detect premature wear and contamination

Description

Landfill gas presents a unique set of challenges for engines; early detection of premature engine wear, coolant leaks and lubricant contamination is necessary for continued operation. This analysis helps you discover these issues before they can result in costly downtime or expensive repairs.

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 — Landfill gas engines

	Essential ◆	Enhanced ◆◆	Elite ◆◆◆
Chlorine		✓	✓
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

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