

# AIRCRAFT OIL ANALYSIS



Oil & Fuel Analysis | Reliability Solutions |  
Transformer Chemistry Services



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# Aircraft Oil Analysis

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The aircraft oil and oil filter analysis programme is designed to:

- Monitor wear rates.
- Detect contamination such as dust, water and fuel in the oil.
- Verify the type of oil in use.
- Detect oil overheating and oil degradation.
- Monitor the cleanliness of hydraulic fluids.

The service includes oil filter analysis. Oil filter analysis supplements spectrometric oil analysis because filters retain the larger wear particles generated by abnormal wear. Customers are encouraged to send the oil filter element with the oil sample where practical. Ferrographic analysis is carried out on the oil sample if no oil filter is provided.

Oil and oil filter analysis are carried out on the following aircraft components:

- Piston engines
- Turboprop, turbofan and turboshaft engines
- Auxiliary power units (APU)
- Helicopter rotor gearboxes
- Hydraulic systems



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