

# CONDITION MONITORING

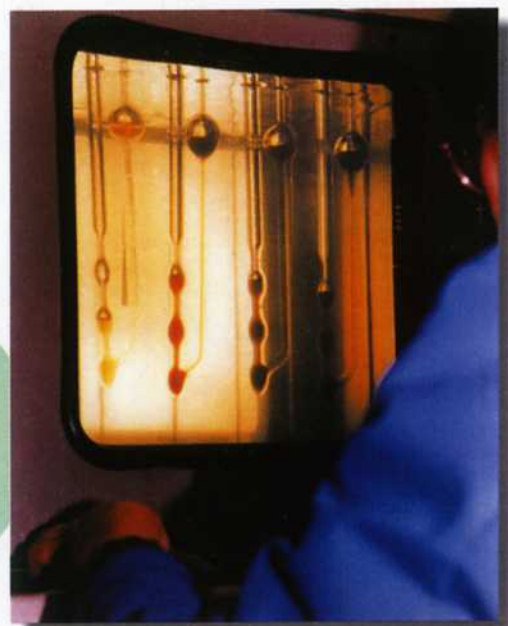
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The Condition Monitoring Division of Geotechnical Services provides lubricant analysis to monitor the working condition of fixed and mobile machinery. The primary function of an oil analysis program is the early detection of degradation, contamination and wear problems which, if not checked, could otherwise lead to costly damage, equipment failure and unsafe operation.

In summary, the service provides;

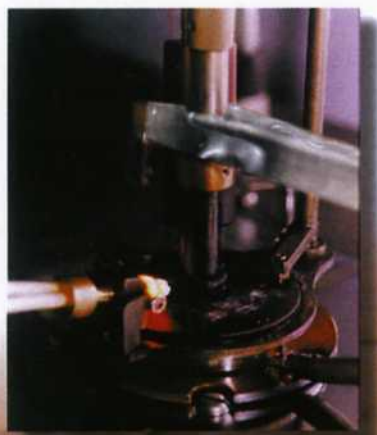
- Reduced operation and repair costs
- Increased equipment availability
- Increased operational reliability
- Improved safety

"OIL ANALYSIS PROGRAMS HAVE SHOWN SIGNIFICANT COST BENEFITS TO PARTICIPATING COMPANIES"



Oil analysis programs have shown significant cost benefits to participating companies, with condition monitoring programs costing about 10 % of the damage incurred from detectable equipment failures.

Geotech's conditioning monitoring laboratory is NATA accredited and offers a full suite of analyses, including oil characterisation, ferrography, wear analysis and particle counting. The interpretation of analytical data is provided routinely to clients.



## SERVICES

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- Full Range of Oil Analyses for Characterisation and Condition Monitoring, Including Spectrometric Analysis by ICP and FT-IR
- Analytical Ferrography and Filterography (incl. Photography)
- Direct Reading Ferrography
- Particle Counting and Sizing
- Analysis of Greases
- Microbial Contamination Testing of Diesel Fuel
- Coolant Analysis
- Interpretation and Evaluation of Results

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