

KOWA 
Komatsu Oil & Wear Analysis

A Drop Of Prevention



CMS

CONDITION MONITORING

Fix it before it happens

CMS 
condition monitoring services

KOMATSU
Driven by your success

WHO USES CONDITION MONITORING?

As an OEM in the Australasian market, Komatsu provides a service to both New Zealand and Australia from its Lab locations in Perth, Brisbane and Newcastle.

Through a simple and streamlined sampling process and fast turnaround time on your results, any critical information on your machine operation can be quickly communicated to you.

It's not only Komatsu equipment or just mining or construction sectors that can benefit from our expertise. With millions of hours experience and an integrated framework of maintenance worldwide, 40% of our inspections and work comes from non-Komatsu or non-industry specific areas. Mobile Construction, Fixed plant, Heavy transport equipment, Automotive equipment, Mining, Oil and Gas exploration, Building sector or General Purpose. In short, anyone who has equipment they rely on to get the job done can access the Komatsu service that is second to none.

PREDICT THE FUTURE

Komatsu Oil and Wear Analysis (KOWA) is the spearhead of our Condition Monitoring Services (CMS).

Your equipment is the lifeblood of your business and KOWA works like a blood test for your machine. The results gained from analysing the impurities and contaminants found in, for example, your engine, transmission or hydraulic oil is fundamental to predicting early life failure or abnormal wear rates. This is one test your equipment cannot afford to miss.



WHY USE CONDITION MONITORING?

Choosing Komatsu's condition monitoring services will help, is easy if you just consider the benefits. Minimising abnormal wear and damage from contaminants and avoiding catastrophic failures will ensure your costs are controlled and machine productivity is maximised.

But it's not all about wear and tear. Using Condition Monitoring will have flow on effects to every area of your operation:

- Budget control via accurate real time data.
- Integrated online reports for straightforward analysis - with SQL database compatibility for direct link to your management software.
- Ongoing integrated Customer Support via Komatsu Australia's engineers and technicians.
- Optimum maintenance scheduling to get the most out of your equipment.
- Advance planning of oil-change intervals.
- Prevention of early component failure and minimising hazardous situations.
- Maximum equipment uptime, with component life maximised and scheduled.
- Follow up – support and training.
- An effective Asset Management tool.
- Production targets are underpinned with reliability.
- Greater inventory control based on real stats and data.
- Resale increase potential with KOWA report history.
- Incidence of catastrophic component failures reduced.

WHAT IS CONDITION MONITORING?

Komatsu Condition Monitoring Services has one simple mission: to keep your machines up and running for as long as possible. Our services include:

- KOWA – Komatsu Oil Wear Analysis
- Coolant Analysis
- Grease Analysis
- Vibration Analysis
- Metallurgical Testing and Evaluation

- Thermal Imaging
- X-ray Analysis
- Stress/Strain Analysis
- Fuel Burn
- Oil Consumption
- Tyre Inspection and Measure
- Site Audits
- Online reports for quick results

With this extensive range of customised tests, Komatsu enables you to build a complete component history for each of your machines. The data and diagnosis you receive from our experts outlines literally every inch of your equipment. And thanks to its integration with Customer Support services, the numbers can translate immediately into action if required.

BREAKING IT DOWN – WHAT GETS TESTED

- Spectroscopic Analysis (element wear metal, oil additive and contaminant levels)
- Infra-red analysis (oil condition)
- Viscosity
- Neutralisation number and other titration methods
- Fuel and water detection
- Particle Analysis
- Grease and fuel analysis
- A wide range of physical tests
- Additional non-standard used oil tests

WHY USE KOWA?

No other service can detect trend changes or detect contaminant problems as accurately as KOWA. In the lab we identify microscopic contaminants or deposits in your lubricants, coolant, grease etc and run

these results against your machine history to attribute specific wear trends. This preventative diagnostic

process, combined with your scheduled maintenance will help avoid expensive and unscheduled catastrophic failures.

By monitoring fuel, air and cooling systems in any piece of your machinery and utilising customised testing, you can confidently operate your business knowing what's happening inside your machines.



MYKOMATSU

my.komatsu.com.au is a single doorway to your Komatsu data

myKomatsu provides customers with access to their KOWA data and reports. This service allows you to browse your oil sample results and view, download or email reports from a single location.

myKomatsu Advantages

- Instantly see your oil sample results in a detailed report
- Available 24/7, anywhere you are
- Complimentary service

FIX IT BEFORE IT HAPPENS

In an industry where downtime can result in downturns, leave nothing to guesswork when maintaining your hardworking equipment. Komatsu Condition Monitoring Services provides the know-how and technology to give tailored feedback to all aspects of your operation.

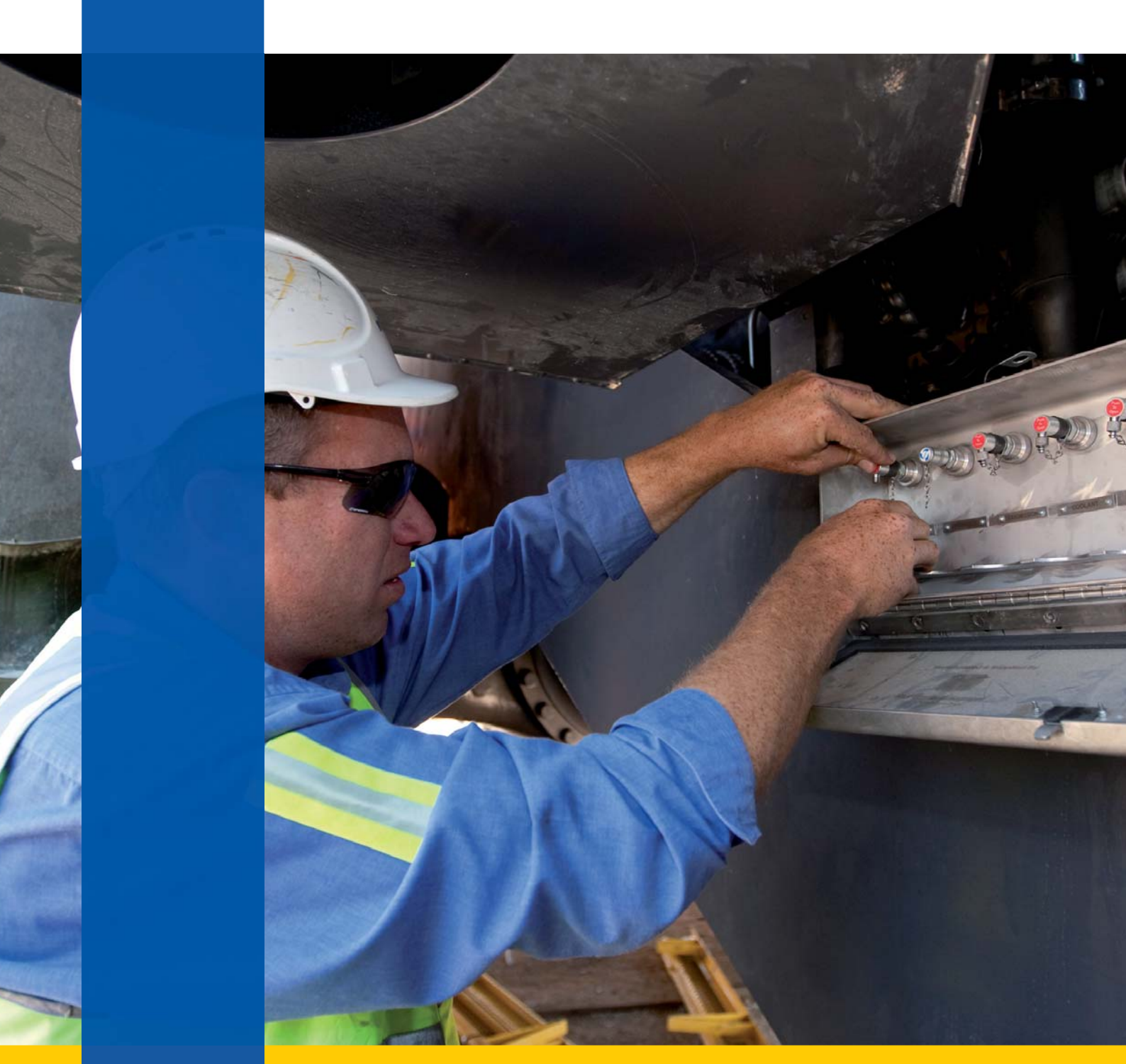
Through an extensive suite of analysis and reports, Condition Monitoring provides a regular health check for your equipment. By enlisting the services of the industry leader, you're identifying warning signs and issues, to prevent early component failure. Not only is prevention better than the cure, it also

minimises downtime and costs.

Komatsu takes into account your specific working conditions and the unique application of your equipment to provide an up-to-the minute snapshot of your operation.

To arrange for a free condition monitoring consultation, contact Komatsu today. Our trained professionals can perform an initial site audit to evaluate the level of analysis required and calibrate the tests to ensure results have taken your individual factors into account.





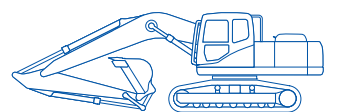
CMS

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