



CMS

KOMATSU'S CONDITION MONITORING SERVICES

What is Condition Monitoring?

Condition Monitoring is the process of monitoring a machine's health to identify changes in wear trends that may indicate a developing fault.

Why Use CMS?

Choosing Komatsu's Condition Monitoring Services (CMS) is easy. Minimising abnormal wear and damage from contaminants and avoiding catastrophic failures will ensure your costs are controlled and machine productivity is maximised. The primary purpose of Condition Monitoring is to monitor working machines.

The information extracted from the analysis process provides valuable indicators on the maintenance required and when it needs to be done. This encourages a structured maintenance plan and accurate budget forecasting.

Who Uses It?

It's not only Komatsu equipment that can benefit from our expertise. 60% of our inspections come from non-Komatsu machines, such as; mobile constructions, fixed plant, heavy transport equipment, automotive equipment, oil/gas exploration, building sector or general purpose. Anyone who has equipment they rely on to get the job done can access the Komatsu

service. Komatsu provides our Condition Monitoring Service (CMS) in both Australia and New Zealand, through our three laboratories located in Perth, Brisbane & Newcastle.

Our Team

The accreditation ISO9001 of our three laboratories offer an unrivalled level of service, each backed by a team of chemists and analysts who operate at the very highest level.

Our laboratory procedures comply with all local, state and national standards.

To ensure you receive the quality of service you need to adequately manage your equipment, we have expanded our range of laboratory services to include a variety of lubricant health analyses. See overleaf.

If you have a particular test in mind that we currently don't offer... just ask us and we'll try and work to develop a solution for you!



KEY

KT113 TAS, VIC, NSW, NZ

KT118 QLD, NC

KT119 WA, NT & SA

KT118LP

OIL TEST KIT - VACUUM



Single page report containing:

ICP Analysis

FTIR Analysis

Viscosity

PQ Index, Fuel, Water

KFG18LP

FILTERGRAM REPORT KIT



Optical Microscopy. Two page filtergram report of an oil sample containing at least two highly magnified images of particles considered important to equipment maintenance procedures.

KC118LP

COOLANT TEST KIT



Single page report containing:

Glycol, pH, Conductivity, Nitrites,
Colour, Clarity, Visible Solids.

KRPVOT19LP

(National Part Number)

OXIDATION TEST KIT



Oxidation Test Kit.

Measures oxidation stability in new or used oils.

KV118LP

OIL TEST KIT - LIVE



Single page report containing:

ICP Analysis

FTIR Analysis

Viscosity

PQ Index, Fuel, Water

KT118DIESELLP

DIESEL FUEL TEST KIT



Single page report containing:

ICP Analysis

Particle Count >4, >6, >14

Moisture by Karl Fischer; Density;

Colour; Bacteria/Fungi

KT118VARNISHLP

(National Part Number)

RULER + MPC



A multi-page report. Reports measurements of hindered phenolic and aromatic amine antioxidants, and includes MPC which measures the level of insoluble degradation products, and TAN which is a measure of lubricant acidity.

KRT118RULERLP

(National Part Number)

RULER TEST KIT



Contains a multi-page report highlighting measurements of hindered phenolic and aromatic amine antioxidants.



FD90VALVE2LP

LIVE SAMPLE VALVE

1/8" – 27TPI NPT Male Thread.



KOWA-GUN

KOWA VACUUM GUN

Standard Vacuum Sampling Gun

Contact CMS for more details about any of our products. (Disclaimer) Test suite is dependent on individual component sampled & not all listed tests are completed on all samples.

Australia - Ph: 1300 566 287 | Web: www.komatsu.com.au

New Zealand - Ph: 0800 566 2878 | Web: www.komatsu.co.nz

New Caledonia - Ph: +687 43 53 06

KOMATSU
Driven by your success