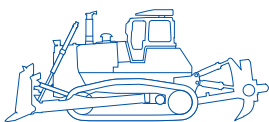




**OILS &
SERVICE**

KOMATSU EQUIPMENT CARE SOLUTIONS

Technology and Products to Manage Your Equipment Care Costs



KOMATSU
Driven by your success

**BASE YOUR
MAINTENANCE
DECISIONS
ON FACT, NOT
GUESSWORK.**



KOMATSU OIL AND WEAR ANALYSIS

Manage your machine without guesswork

Komatsu Oil and Wear Analysis (KOWA) is the spearhead of our Condition Monitoring Services (CMS). Anyone who owns or operates equipment understands that the fluids running through the machine is its lifeblood - fluids like engine oil, transmission oil, hydraulic oil, gear and axle oil, grease and even coolant.

There are normal wear rates for each moving component and as these parts

wear, particles appear in the oil. These particles are small but easily detected through regular KOWA use. KOWA highlights increases in the quantity of contaminants and can identify areas of concern, allowing preventative action before a failure.

Continued and consistent KOWA use will provide a clear picture of your machines health, potentially saving you valuable time and money.



KOWA
Komatsu Oil & Wear Analysis

1. TEST	2. REPORT	3. RECOMMENDATION	4. INFORMED CHOICE
An oil sample is taken and CMS technicians provide you with analysis using our unrivalled technology	CMS technicians provide you with exact data detailing wear patterns and trends in the major components of your equipment	Our recommendations are based on early detection and preventative maintenance	Based on fact, you make decisions to maximise your equipment life and benefit your business

MYKOMATSU

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

Komatsu has been providing access to KOWA sample results for over a decade. To take this service to the next level, myKomatsu has been developed to provide customers better 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 is a completely secure and complimentary service, designed to meet your needs.

myKomatsu Advantages

- Instantly see your oil sample results in a way that is useful for you
- Available 24/7, anywhere you are

- You are in control of what you see and how it is delivered to you
- Detailed reports to give you the big and small picture of what is happening to your machines
- Completely free as part of your KOWA service. There is no charge for additional users

KOMATSU GENUINE LUBRICANTS AND COOLANTS

Superior protection for your equipment

Komatsu genuine lubricants and coolants are designed to ensure you get the best performance from your machine.

Our range of Komatsu genuine lubricants incorporates a specially formulated additive package, which when combined with the highest quality base oil, provides superior protection for Komatsu equipment.

In addition to our diesel engine oil, a full range of lubricants plus two types of grease are available to provide maximum component life and equipment durability.

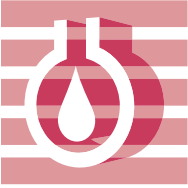
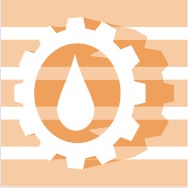




All Komatsu machines are filled with Komatsu genuine lubricants and coolants. It is essential that customers continue to use these lubricants for replacement

at the recommended intervals to ensure optimal machine life. Used in conjunction with KOWA, a combination of these care solutions will help maximise your component life.

Komatsu genuine lubricants and coolants are also ideal for use in any older model Komatsu machines, as well as non-Komatsu equipment in your fleet.

YOUR CHOICE IS NOW EASY

Supplements our extensive range of products and services

Product	Description	Specifications	Part Number
 <p>Diesel Engine Oil 15W-40</p>	<p>This high-ash multigrade oil provides the highest levels of performance in Komatsu equipment and other Japanese built engines. Can also be used in mixed diesel fleet operations.</p>	<ul style="list-style-type: none"> • Komatsu KES 07.851.1 • JASO DH-1 • ACEA E3 • MB228.3 Type performance • API CH-4 (soot thickening & valve train wear performance) • Sulphated Ash: 1.7% - preferred ash level for Mitsubishi diesel engines 	<ul style="list-style-type: none"> • 5L - 3352157 • 20L - 3342449 • 205L - 3342450 • 1000L - 3316123
 <p>Powertrain Oil T030 Powertrain Oil T010</p>	<p>2 viscosity variants, designed for automatic, power-shift and manual transmissions. Also suitable for use in hydraulic systems, final drive cases and swing machinery where SAE 10 or 30 grade oil is specified.</p>	<ul style="list-style-type: none"> • Komatsu KES 07.868.1 • Komatsu Micro Clutch • Caterpillar TO-4 • Allison C4 • API GL1, GL2 or GL3 • API CF, CD 	<p>Powertrain Oil 10</p> <ul style="list-style-type: none"> • 20L - 3345087 • 205L - 3345088 <p>Powertrain Oil 30</p> <ul style="list-style-type: none"> • 20L - 3342455 • 205L - 3342456
 <p>Gear Oil 85W-140</p>	<p>A high viscosity, extreme pressure hypoid gear lubricant formulated for use in heavy duty gearboxes, final drives and differentials of earthmoving and excavating equipment and trucks, particularly those operating under high ambient temperatures.</p>	<ul style="list-style-type: none"> • Komatsu KES 07.861 • API Service Classification, GL5 • SAE J306b Viscosity Classification • SAE 85W-140 	<ul style="list-style-type: none"> • 20L - 3345105 • 205L - 3345104
 <p>Hydraulic Oil 46</p>	<p>Ideal for all types of hydraulic pumps working under medium to severe conditions.</p>	<ul style="list-style-type: none"> • Komatsu KES 07.841.1 • Komatsu HPV 35+35 Pump test • ISO VG46 • DIN 51524 Part 2 • HF-0 	<ul style="list-style-type: none"> • 20L - 3349857 • 205L - 3349856 • 1000L - 3371499
 <p>Axle Oil</p>	<p>A special high performance oil specifically designed and developed for axle units with an integrated brake or differential units.</p> <p>With excellent heat resistance the oil maintains the friction characteristics over an extended period and maximizes the brake performance</p>	<ul style="list-style-type: none"> • SAE J306 viscosity grade: 80W • ZF TE-ML 05F • API GL-4 • KES 07.866 	<ul style="list-style-type: none"> • 20L - 3373137 • 205L - 3373136
 <p>Hyper Grease G2-TE Lithium EP Grease G2-LI</p>	<p>HYPER GREASE G2-TE Premium performance in wet conditions, particularly off road applications where high loads, low speeds and wet conditions prevail. It can be used for plain bearings, ball & roller bearings, ball joints and bucket pins.</p> <ul style="list-style-type: none"> • Komatsu KES 07.881.1 		<ul style="list-style-type: none"> • 450g - 3345030 • 20kg - 3345029
	<p>LITHIUM EP GREASE G2-LI High performance in a variety of applications including heavy equipment high speed ball & roller bearings, wet or damp conditions, disc brake wheel bearings, particularly operating in extreme temperatures.</p> <ul style="list-style-type: none"> • Komatsu KES 07.881 		<ul style="list-style-type: none"> • 450g - 3344516 • 20kg - 3344545

Knowledge is power. By identifying warning signs and issues, you can prevent early component failure and are able to plan accurately and with greater reliability.



KOMATSU SUPERCoolANT AF-NAC

A significant number of all engine failures stem from cooling system issues

In a country with a climate as harsh as Australia, it's no surprise that a contributing factor to a large number of engine failures is the incorrect maintenance of the cooling system. However, it is possible to maximise your equipment life by maintaining the cooling system with the correct use of a quality coolant.

Today, heavy-duty diesel coolants are fluids, which are technically engineered to help prolong the life of an engine, not just keep it cool. Komatsu Supercoolant AF-NAC is a high performance, fully formulated extended life coolant that

allows for extended drain periods, saving you money and saving you from downtime.

Although Komatsu Supercoolant is free from environmentally harmful Silicates, Amine and Nitrates, it does contain heavy-duty chemical inhibitors, together with organic acid technology to provide high levels of resistance to cavitation, pitting and rust.

Komatsu Supercoolant is designed to meet Komatsu Engineering Standards (KES) and exceeds Australian Standard AS2108 for a type A coolant.

Annual, fixed price cooling system clinics can be performed by a qualified Komatsu service technician to ensure your cooling system is operating efficiently. All aspects of your machine's cooling system are inspected and a detailed report listing any recommendations is provided for you.

To promote greater efficiency and longer engine life, Komatsu offers training to all levels of your personnel on the best maintenance practices to employ regarding coolants and cooling systems.

Benefits for you and your engines

Your benefits	Engine benefits
<ul style="list-style-type: none"> • Pre-mixed for convenience • Reduced downtime from extended service technology • Improved productivity and lower operating costs for the life of your equipment • Requires no Supplemental Coolant Additives (SCAs) to reduce maintenance costs • Does not require Hazardous chemical (Hazchem) Code nor DG class for transport • Non-flammable 	<ul style="list-style-type: none"> • Meets ASTM specifications for heavy duty and fully formulated engine coolants • Specified for use in Komatsu equipment and recommended for use in mixed fleet equipment • Improved liner protection • Reduces risk of water-pump seal leakage • Outstanding performance in cast iron and aluminium engines • Outstanding performance in aluminium alloy cooling systems

The range of genuine Komatsu Supercoolant AF-NAC

Part number	Description	Size
119523	Supercoolant AF-NAC	5ltr
119522	Supercoolant AF-NAC	20ltr
119521	Supercoolant AF-NAC	205ltr
119520	Supercoolant AF-NAC	1,000ltr
Bulk	Supercoolant AF-NAC	Bulk



FILTRATION SOLUTIONS

Filter out the particles that cause wear in your equipment

Komatsu provide a full range of filtration solutions that are designed to screen out particles and provide vital protection for expensive, high-precision components in your equipment. These include; fuel filters, air filters, oil filters and

hydraulic filters to extend the life of your equipment.

Komatsu filtration solutions are designed for both Komatsu and non-Komatsu equipment. They are made from the

correct micron material and the correct size to ensure effective filtering for the entire duration of your scheduled maintenance period.

Filter kits for easy servicing

For easy ordering and supply, Komatsu offer service interval filter kits for all Komatsu and non-Komatsu equipment, including filters and seals.

250hr service kit

500hr service kit

1000hr service kit

2000hr service kit



Fuel filters to keep your fuel clean and your engine performing

Komatsu fuel filters are essential for ensuring clean and uncontaminated fuel to maximise fuel injector and pump life. Komatsu fuel filters are designed to trap fine particles, which can clog and shorten the life of fuel injector nozzles. Water separators isolate water and sediment that may have contaminated the fuel by way of condensation in the tank.

Air filters to extend the life of your engine

Komatsu air filters are designed to ensure your engine burns clean air, to maintain performance and extend engine life. An inefficient air filter can allow dust into the combustion chambers, reducing performance and causing serious and expensive wear to cylinders and piston rings.

Oil filters to keep your engine clean and effective

When contamination (which is a by-product of engine combustion and wear) is removed, oil is free to do its job of maintaining engine performance and extending engine life. Komatsu oil filtration systems employ bypass filtration, either separately or as part of the full flow filter, using a combination of full flow and bypass technology. This removes soot and other by-products of combustion, which are not normally extracted through standard full flow filtration.

Hydraulic filters that perform under pressure

Hydraulic filters are used in the torque converter, transmission, steering and hydraulic circuits of the machine, circuits that work under high pressure and temperature. In these circuits

pressure adjusted oil passes through small orifices, so it must be clean and free of the particles caused by wear. Komatsu Hydraulic eco-white filters employ glass fibre technology to filtrate minute particles, preventing contamination of the hydraulic oil and extending filter life.



SERVICE AND MAINTENANCE

Maximise your productivity and preserve capital value

With experienced personnel, state of the art diagnostic equipment and advanced facilities, Komatsu offers service solutions for all makes of earthmoving equipment.

As well as the obvious uptime benefits that come with professionally maintained equipment, Komatsu service solutions offer cost effective solutions that will minimise your downtime and ensure long-term durability of your equipment.

State-of-the-art service

Komatsu offers highly trained service technicians combined with advanced facilities, including condition monitoring, oil analysis, track presses and more. We can also complete a service either at a customers' site or in one of our facilities.

Our technicians are committed to delivering exceptional service to help keep your Komatsu in optimal working condition. So now you can get all the extras at a very competitive price.



FIXED PRICE SERVICING TO MANAGE YOUR COSTS

Making service simple

Avoid unexpected downtime and minimise the risk of having to undertake sudden costly repairs with Komatsu's fast and easy Fixed Price Servicing.

These Fixed Price service options cover Komatsu Utility and Construction machines. Routine servicing can generally be done in the field, to further minimise downtime. Our extensively equipped service vehicles are based at all Komatsu service locations and are fully compliant to remove and dispose of used oil and other waste products.

Komatsu's Fixed Price initiative makes servicing simple:

- Easy to plan for
- We come to you
- Fixed costs
- Genuine parts
- Hassle-free

To maximise your uptime, Komatsu has your maintenance needs covered with our Fixed Price Servicing solution. A Komatsu's Fixed Price Service includes;

- Oil sample analysis
- Service Report
- Comprehensive condition report.

True value with our service solutions

With Komatsu's Fixed Price Servicing you know what the cost of each service will be before it's done and we only use high quality genuine Komatsu parts, so you know you're getting the best available parts designed to optimise performance in your machine.

Contact Komatsu now and start taking advantage of our Fixed Price Servicing offer. It's the smart way to save time and money.

Scheduled	Quick and easy	Fixed Costs	Genuine Komatsu Parts	Peace of mind
You know exactly when your equipment needs servicing to keep it performing and productive	Komatsu's purpose designed lube trucks help get your servicing done quicker, maximising equipment uptime.	You know what the costs are going to be and can budget accordingly.	You know you're getting the best available parts, designed and made for the job.	You're free to keep focused on your core business activities and operate efficiently.





To help maximise the longevity of your equipment, our Total Customer Support offering provides a wide range of quality parts and services.

UNDERCARRIAGE

The investment that under-pins your mobile workhorse

Undercarriage represents a significant investment for any sized machine. That's why Komatsu offers two ranges of undercarriage components.

Komatsu undercarriage components

We offer genuine Komatsu undercarriage for all Komatsu crawler equipment, such as Excavators and Dozers. Our range includes; genuine track groups, rollers, idlers and sprockets.

All Makes undercarriage components

In addition, Komatsu also offers a full range of Berco undercarriage products

to suit most non-Komatsu machines. Berco offers complete track groups, link assemblies, grouser plates, track rollers, carrier rollers, idlers, pins and bushes.

Inspection and Maintenance

Komatsu is equipped with highly trained professionals and track press facilities across the country to perform your undercarriage inspections or track repairs. As a large OEM, we boast an extensive track press facilities network – meaning we can service your undercarriage on one of our five sites, without outsourcing to a third party supplier.

To avoid unnecessary downtime, we also offer free undercarriage inspections, to ensure that your machine is working safely and effectively.



GROUND ENGAGING TOOLS

GET for mining, construction, quarry and utility machines

Ground Engaging Tools (GET) represent one of the highest ongoing expenditures on earthmoving equipment. The performance and productivity of loading and excavating machines are all directly affected by the bucket and its components.

Komatsu offers GET solutions to suit an array of applications. From the smallest utility machines to the world's large production machines, we have a solution to suit your application and

budget, for all Komatsu and non-Komatsu machinery.

Komatsu GET components

We offer genuine Komatsu GET specific for your Excavators, Wheel Loader, Bulldozer and Motor Grader. Available components include; teeth, bolt on edges, end bits and ripper boots.

All Makes GET components

Only Komatsu can offer both K VX

and Hensley GET solutions, providing a unique true choice service in GET selection for most machines.

Hensley offers a range of XS GET systems that provides a unique hammerless system, which allows quick installation and replacement of parts.

While K VX offers unique bolt on tooth and edge GET system and rolled steel products.





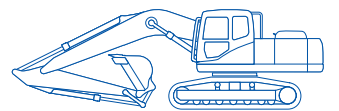
OILS & SERVICE

FOR MORE INFORMATION:

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

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

New Caledonia- Ph: 24 25 10



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