

KOMATSU

Lubricants, coolants and filtration solutions

Genuine Protection



Genuine Protection

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 your 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 Komatsu Oil Wear Analysis (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	Product
 <p>NumberDiesel Engine Oil 15W-40</p>	Komatsu EO15W40 CK-4 KES is an advanced part synthetic heavy duty diesel engine oil that is engineered to deliver longer useful oil life. Suitable for use in high speed 4-stroke diesel engines that use a broad range of fuel qualities. It is compatible with diesel engines fitted with EGR and also the latest exhaust after treatment systems such as DPF, DOC and SCR.	<ul style="list-style-type: none"> • Komatsu Engineering • Standards KES 07.868.1 • API CK-4 • ACEA E9 • Caterpillar ECF-3 	<ul style="list-style-type: none"> • 5 ltr - 3421048 • 20 ltr - 3421050 • 205 ltr - 3421049 • 1000 ltr - 3421051
 <p>Powertrain Oil TO30 Powertrain Oil TO10</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.	<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"> • 20 ltr - 3345087 • 205 ltr - 3345088 • 1000 ltr - 3380202 <p>Powertrain Oil 30</p> <ul style="list-style-type: none"> • 20 ltr - 3342455 • 205 ltr - 3342456 • 1000 ltr - 3377113
 <p>Gear Oil 85W-140</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.	<ul style="list-style-type: none"> • Komatsu KES 07.841.1 • Komatsu HPV 35+35 Pump test • ISO VG46 • DIN 51524 Part 2 • HF-O 	<ul style="list-style-type: none"> • 20 ltr - 3345104 • 20 ltr - 3349857 • 205 ltr - 3349856 • 205 ltr - 3345105 • 1000 ltr - 3371499
 <p>Hydraulic Oil 46</p>	Ideal for all types of hydraulic pumps working under medium to harsh conditions.	<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"> • 20 ltr - 3373137 • 205 ltr - 3373136 • 1000 ltr - 3385520
 <p>Axle Oil AX080</p>	A special high performance oil specifically designed for axle units with an integrated brake or differential units. With excellent heat resistance the oil maintains the friction characteristics over an extended period and maximises the brake performance.	<ul style="list-style-type: none"> • Komatsu KES 07.841.1 • Komatsu HPV 35+35 Pump test • ISO VG46 • DIN 51524 Part 2 • HF-O 	<ul style="list-style-type: none"> • 20 ltr - 3349857 • 205 ltr - 3349856 • 1000 ltr - 3371499
 <p>Hyper Grease G2-TE Lithium EP Grease G2-LI</p>	<p>Hyper Grease G2-TE</p> <p>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 - 3344516 • 20kg - 3344515
	<p>Lithium EP Grease G2-LI</p> <p>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 		
 <p>Supercoolant AF-NAC (CC)</p>	An advanced ethylene glycol based coolant, supplied in a ready to use 35/65 pre-mix, which provides long lasting protection against corrosion and pitting. Recommended for use in all Komatsu engines and suitable for use in wide range of modern engines including Cummins HHP engines.	<ul style="list-style-type: none"> • Komatsu KES 07.892 • ASTM D-3306 • AS 2108:2004 Type A • CES14603 	<ul style="list-style-type: none"> • 1 x 5L - 3440880 • 20 ltr - 3440878 • 205 ltr - 3440879 • 1000 ltr - 3440877

Komatsu Supercoolant AF-NAC (CC)

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

It is possible to maximise your equipment life by maintaining the cooling system with the correct use of a quality coolant.

Heavy-duty diesel coolants are fluids, which are engineered to help prolong the life of an engine, not just to keep it cool. Komatsu Supercoolant AF-NAC (CC) is a high performance, fully formulated extended life coolant that allows for extended drain periods, saving you money and from downtime.

Although Komatsu Supercoolant is free from environmentally harmful Silicates, Amine and Nitrates, it does contain 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 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"> • A 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 (CC)

Part No.	Description	Size
3440880	Supercoolant AF-NAC (CC)	5 ltr
3440878	Supercoolant AF-NAC (CC)	20 ltr
3440879	Supercoolant AF-NAC (CC)	205 ltr
3440877	Supercoolant AF-NAC (CC)	1,000 ltr



Predict the future

Komatsu CMS's KOWA (Komatsu Oil and Wear Analysis) is the spearhead of our services, and includes testing and analysis of oils and lubricants, diesel fuel and coolants. Your equipment is the lifeblood of your business and KOWA acts as a blood test for your machine.

The results gained from analysing the impurities and contaminants found in your engine, transmission or hydraulic oils are fundamental to predicting early life failure or abnormal wear rates. These are essential tests your equipment can't afford to miss. Using KOWA ensures you have high integrity data that will enhance your maintenance planning and forecasting.

And unlike many other testing and analysis systems, KOWA actually analyses your operational variables to provide a more accurate report.

For example, two identical machines operating in

different environments may produce varying KOWA test results. If these variables are not considered as part of the analysis, the accuracy of the report may not be precise and result in unnecessary repairs or unscheduled component failures.

Our Komatsu CMS lab technicians, who have many years' experience working with heavy equipment can analyse your test results and assist you to accurately detect trend changes or contaminant problems.

Our labs identify microscopic contaminants in your oils and lubricants, diesel fuel and coolant, and compare these results with your machine history to attribute specific wear trends.

This preventative diagnostic process, combined with your own scheduled maintenance program is a major resource in avoiding expensive and unscheduled downtime.



CMS Website

As part of the myKomatsu online customer portal, the Komatsu CMS website (my.komatsu.com.au/condition-monitoring) is a single doorway all the data generated through KOWA and other analysis and testing. Accessed via your own username and password, it gives you access to your equipment's KOWA data and reports anytime anywhere.

You can browse your full sample history, trends and results, create your own customised sample cards quickly and easily, as well as accessing other online tools to help you better view and understand your report data – which you can also customise to meet your own needs.

Access to this information is key to better identifying equipment problems and managing machine performance.



Advantages of our CMS website

- » Instantly see your oil sample results in a detailed report
- » Available 24/7, wherever you are, on desktop, tablet or smartphone
- » You are in control of what you see and how it is delivered to you
- » Detailed reports can be customised to give you the big and small picture of what is happening to your machines, in a form that best suits your needs.

Fix it before it happens

In an industry where unscheduled downtime can result in significant financial loss, leave nothing to guesswork when maintaining your essential equipment.

Komatsu CMS provides the know-how and technology to give tailored feedback across all aspects of your

operation. Through our extensive suite of analysis and reports, Komatsu CMS gives you a regular health check for your equipment. By using our industry leading services, you can identify warning signs and issues, to prevent premature and unexpected component failure, minimising downtime and costs.

Komatsu CMS understands your specific working conditions and the unique application of your equipment to provide an up-to-the-minute snapshot of the equipment that's so critical to your operation. For a free condition monitoring consultation, contact Komatsu CMS today.

Our trained professionals can perform an initial site audit to evaluate the level of analysis required, then develop customised and calibrated tests that ensure results take your individual factors into account.

For more information, visit:

my.komatsu.com.au/condition-monitoring

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 widow.

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.



Filtration kits

Filter Kits offer up to **15% savings** on included parts

Filter kits for easy servicing	
Part No.	Description
For easy ordering and supply, Komatsu offer service interval filter kits for all Komatsu equipment.	500hr service kit
	1000hr service kit
	2000hr service kit



Fuel filtration

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

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

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

Hydraulic filters that perform under pressure. Hydraulic filters are used in the torque converter, transmission, steering and hydraulic circuits of the machine, which 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.





For more information:

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