

KOMATSU

Fluids (Anti-freeze & Brake fluid) and Cleaners



Quality Komatsu products offer lasting solutions to keep your construction equipment in top performance

Komatsu's advanced line of maintenance and repair products are chosen for their ability to excel in the most demanding of applications along with maintaining your equipment's performance. High performance industrial products, including sealants and adhesives, aerosols, cleaners and more, will meet a variety of your needs including saving you time and money. **The perfect solution.**

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ANTI-FREEZE

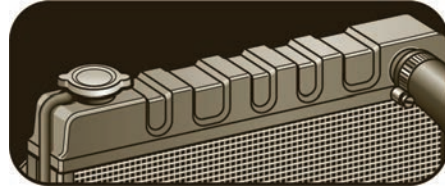
Super Coolant Concentrate

1 Gallon Bottle Part No. 1400161H1
55 Gallon Drum Part No. 1400162H1

Specially formulated for use in all Komatsu® machines. It uses state-of-the-art technology in an advanced ethylene glycol based formula. It contains no amines, no silicates that may harm pump seals, and no borates that may cause aluminum corrosion and pitting.

Typical Applications:

- Provides long-lasting protection for aluminum, cast iron and all other engine components.



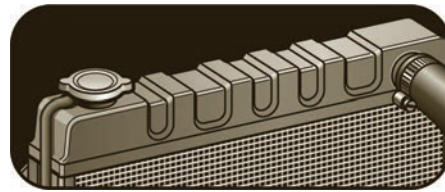
Super Coolant Pre-Mixed

1 Gallon Bottle Part No. 1400164H1
5 Gallon Can Part No. 1400166H1
55 Gallon Drum Part No. 1400165H1
265 Gallon Tote Part No. 1401434H1

Specially formulated for use in all Komatsu® machines. It uses state-of-the-art technology in an advanced ethylene glycol based formula. It contains no amines, no silicates that may harm pump seals, and no borates that may cause aluminum corrosion and pitting.

Typical Applications:

- Provides long-lasting protection for aluminum, cast iron and all other engine components.



BRAKE FLUID

Brake Fluid (DOT 3)

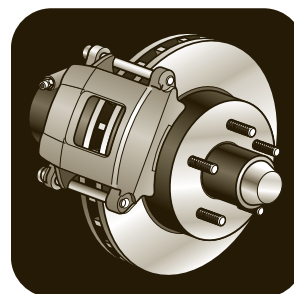
Part No. 1401419H1

1 Quart Bottle (.946L)

Recommended for all drum and disc brake applications where DOT 3 Brake Fluid is specified. Meets DOT and SAE requirements.

Typical Applications:

- Use where DOT 3 brake fluid is specified by service manual or operators guide
- Loaders, lift trucks, and service trucks



CLEANERS

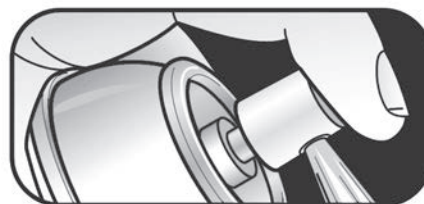
Carburetor and Choke Cleaner

Part No. 1401420H1

12 OZ. (340g) Can

Typical Applications:

- Removes varnish, resin and gums from carburetors and chokes
- Removes throttle body deposits that interfere with air flow to PFI, TBI and diesel engines
- Effectively cleans, chokes, PCV valves, and throttle linkages
- Safe for oxygen sensors, catalytic convertors and electronically controlled carburetors
- Fast-acting cleaner



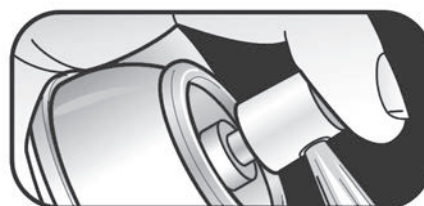
Foaming Engine Degreaser

Part No. 1401421H1

17 OZ. (481g) Can

Typical Applications:

- Removes tuff, varnish and carbon deposit
- Frees stuck choke mechanism
- Cuts through gum and grease from engines and drive train components
- Safe for fuel injectors, catalytic convertors and emission



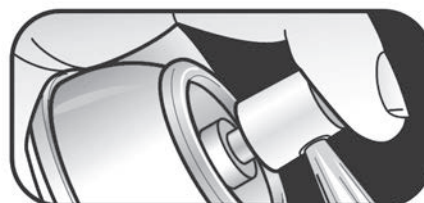
Glass Cleaner

Part No. 1401422H1

12 OZ. (340g) Can

Typical Applications:

- Penetrates and Removes Dust
- Streak and Smear Resistant



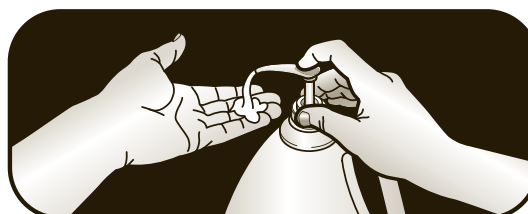
Hand Cleaner

With Pumice 1 Gallon (3.785 L) Part No. 1401423H1
Without Pumice 1 Gallon (3.785 L) Part No. 1401424H1

A fresh smelling, citrus-based hand cleaner that cleans your hands quickly, naturally and is solvent free. This convenient bottle with its easy-to-use pump dispenser eliminates the need for wall mounted dispensers. Contains aloe to moisturize skin. Regular use helps keep hands clean and conditioned pH balanced.

Typical Applications:

- Gently removes the toughest dirt, grease, grime, soils, resins, printer's ink, paint, glue, rubber gasket and tile cements.



CLEANERS (continued)

Cabinet and Tank Liquid

5 Gallon Pail (18.927 L) Part No. 1401425H1
55 Gallon Drum (208 L) Part No. 1401426H1

Strong alkaline cleaner that removes dirt, oils, paint and carbon deposits from ferrous metal parts.

Typical Applications:

- For use in cabinet pressure washers and hot tanks
- Not recommended for aluminum, zinc or brass parts



Heavy Duty Pressure Wash

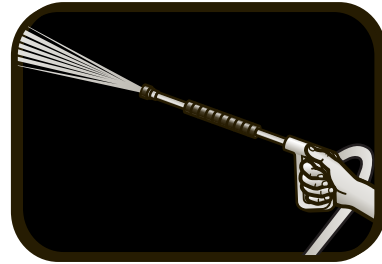
Part No. 1401427H1

5 Gallon Pails (18.927 L)

Komatsu® HD Pressure Wash is a very heavy-duty cleaner and degreaser for use on heavily soiled parts and machines. It contains water soluble solvents to aid in the degreasing process. HD Pressure Wash can be diluted for use in general purpose pressure washing operations as well.

Typical Applications:

- Heavy-duty concentrated alkaline cleaner
- Formulated for use in high-pressure washers
- Provides up to two weeks of rust protection if the part is not rinsed after cleaning



HD Shop Towels

Part No. 1401428H1

18 packs/case (56 towels/pack)

Typical Applications:

- Highly absorbent - cleans up oil, grease, water and other messy fluids
- Strong and abrasion resistant - great wet-strength for scrubbing
- Pliable for reaching into tight places
- Soft for personal cleaning
- Low lint and won't leave a residue
- Economical alternative to shop rags or towels



Parts Cleaning Solvent

5 Gallon Pail (18.927 L) Part No. 1401429H1
55 Gallon Drum (208 L) Part No. 1401430H1

Clean, filterable fluid suitable for all types of part solvent cleaning stands. Effective solvency action cleans engines and mechanical systems. Strong solvent cleaner designed to dissolve oil and grease. High quality product with excellent solvency and is capable of being recycled indefinitely through solvent reclaiming still.

Typical Applications:

- Recommended for marine products and other equipment.
- For use in solvent stands, immersion tanks, and manual cleaning equipment.
- Can be used with brush, rags, or spray.



Q What can these products do for me?

A Komatsu's line of adhesives, sealants and maintenance products will:

- Increase the reliability of your repair work
- Reduce expensive come-backs
- Reduce repair downtime

Q What types of repairs can I make with the adhesives and sealants?

A This product line allows you to:

- Lock and seal threaded parts with the THREAD LOCK PRODUCTS
- Lock and seal threaded fittings with PIPE SEALANT WITH PTFE
- Repair and install (to prevent wear) cylindrical assemblies with BEARING MOUNT and RETAINING COMPOUND
- Seal flanged assemblies with GASKET MAKERS

Q How do I know which product to use?

A The packages are clearly marked with the product's function. Reference to service manuals is critical, and detailed product applications, by product, are included in the back of this hand book.

Q How do these products work?

A The (anaerobic) product fills the space between mating parts then cures to a tough plastic. The bond and seal is much tougher than a mechanical method.

Q Can I get parts apart?

A Yes. A little extra elbow grease and regular tools will do the job in most cases. Heating parts to 450°F and disassembling while parts are hot will also work.

Q Should I clean parts first?

A Surface preparation is important when using any adhesive or sealant. Clean parts with a good shop solvent and wipe with a towel. Use of Anaerobic Sealant Primer, will clean parts and speed cure of many adhesives.

Q How does temperature affect the cure of these adhesives?

A The adhesives will cure faster in warm weather than in cool weather. It is always wise to use Anaerobic Sealant Primer with Anaerobic Adhesive when the temperature is below 50°F.

Q What are the temperature limits for these adhesives?

A The operating temperature limits are:

- Thread Locks and Bearing Mount, -65°F to 300°F
- Gasket Makers, -65°F to 350°F

Q How resistant to shop solvents and fluid are these materials?

A The anaerobic products are resistant to gasoline, diesel fuel, motor oil, hydraulic oil, and most solvents and gases.

Q How quickly will these anaerobic adhesives harden?

A A general rule is 1 hour for fixture and 4 hours for full cure. Anaerobic Sealant Primer will speed cure as well as heating parts to 300°F

Q What happens if I apply adhesive/sealant and it doesn't work?

A Three things could have happened.

1. Sufficient material was not applied to fill the joint.
2. Insufficient time was allowed for cure.
3. Parts were excessively oily, dirty or greasy, which may prevent the adhesive/sealant from curing.

Questions About Threadlocking, Thread Sealing, and Retaining Compounds:

Q Why should I use a chemical threadlocker, and which one do I use?

A Locking and sealing threaded parts chemically is more reliable and more economical. For use on nuts, bolts, screws and studs. Use the (blue) Thread Lock which is breakaway strength for fasteners (1/4"-3/4") that will require removability. Use (red) High Strength Thread Lock for studs and permanent, heavyduty fasteners.

Q Why should I use a chemical thread sealant in place of PTFE Tape?

A Pipe Sealant with PTFE outperforms PTFE Tape. It will not shred to clog systems, and it allows adjustment of parts without losing a seal. It seals instantly and adds lubricity for easy assembly.

Q What is a Retaining Compound?

A Retaining Compounds bond cylindrical metal parts - they repair worn parts in maintenance, thus eliminating expensive rematching. They are ideal when installing new parts to prevent wear.

Q How can I prevent "rusting in" between linkage pins and cartridge pins and their mating bores?

A Use Thread Lock to coat the pin and bore. Then assemble. It seals out rust and eliminates the need for burning out pins. Use it on loader linkage arms, excavator sticks and booms as well as similar assemblies.

Questions About Gasketing:

Q How does anaerobic gasketing differ from precut gaskets and gasket dressings?

A Anaerobic form-in-place gaskets cure to a tough plastic that will not shrink or compress like conventional gaskets. They fill all the surface imperfections on the flange surface for a solid seal.

Q How do I know what gasketing product to use?

A Selection of the correct gasketing product is critical. Always use your service manual as a guide. Gasket Maker is used on rigid flanges such as hydrostatic transmission flanges and flywheel housing.

Q How do I apply Gasket Maker?

A Apply directly from the nozzle applicator on the tube. No mixing. No heat cure. For most joints, apply a 1/16" (1.59 mm) diameter bead in the center of the flange circling the bolt holes. Be sure that the material will be in contact with both flanges when parts are assembled. Material does not cure until flanges are mated together.

Questions About Bonding:

Q When bonding a broken part, how do I know when to use the Epoxy General Purpose Kit?

A The Epoxy Adhesive General Purpose Kit comes in a premeasured package for making fast repairs on almost any surface - particularly when the parts are irregular or not close fitting. This kit provides more total volume of material than other two part epoxy mixercups.

Anti-Freeze

Super Coolant Concentrate 1 Gallon Bottle

Application: Provides long-lasting protection for aluminum, cast iron and all other engine components.

Part No. 1400161H1

Super Coolant Concentrate 55 Gallon Drum

Application: Provides long-lasting protection for aluminum, cast iron and all other engine components.

Part No. 1400162H1

Super Coolant Pre-Mixed 1 Gallon Bottle

Application: Provides long-lasting protection for aluminum, cast iron and all other engine components.

Part No. 1400164H1

Super Coolant Pre-Mixed 5 Gallon Can

Application: Provides long-lasting protection for aluminum, cast iron and all other engine components.

Part No. 1400166H1

Super Coolant Pre-Mixed 55 Gallon Drum

Application: Provides long-lasting protection for aluminum, cast iron and all other engine components.

Part No. 1400165H1

Super Coolant Pre-Mixed 265 Gallon Tote

Application: Provides long-lasting protection for aluminum, cast iron and all other engine components.

Part No. 1401434H1

Brake Fluid

Brake Fluid (DOT 3) One Quart Bottle (.946L)

Application: Use where DOT 3 brake fluid is specified by service manual or operators guide. Loaders, lift trucks, and service trucks.

Part No. 1401419H1

Cleaners

Carb and Choke Cleaner 12 OZ. (340g) Can

Application: Removes varnish, resin and gums from carburetors and chokes. Removes throttle body deposits that interfere with air flow to PFI, TBI and diesel engines. Effectively cleans, chokes, PCV valves, and throttle linkages. Safe for oxygen sensors, catalytic convertors and electronically controlled carburetors.

Part No. 1401420H1

Foaming Engine Degreaser 17 OZ. (481g) Can

Application: Removes tuff, varnish and carbon deposit. Frees stuck choke mechanism. Cuts through gum and grease from engines and drive train, components. Safe for fuel injectors, catalytic convertors and emission.

Part No. 1401421H1

Glass Cleaner 12 OZ. (340g) Can

Application: Penetrates and removes dust. Streak and smear resistant.

Part No. 1401422H1

Hand Cleaner With Pumice One Gallon Bottle (3.785 L)

Application: Gently removes the toughest dirt, grease, grime, soils, resins, printer's ink, paint, glue, rubber gasket and tile cements.

Part No. 1401423H1

HD Shop Towels 18 packs/case (56 towels/pack)

Application: Highly absorbent - cleans up oil, grease, water and other messy fluids. Strong and abrasion resistant - great wet-strength for scrubbing. Pliable for reaching into tight places. Soft for personal cleaning. Low lint and won't leave a residue. Economical alternative to shop rags or towels.

Part No. 1401428H1

Parts Cleaning Solvent 5 Gallon (18.927 L)

Application: Recommended for marine products and other equipment. For use in solvent stands, immersion tanks, and manual cleaning equipment. Can be used with brush, rags, or spray.

Part No. 1401429H1

Hand Cleaner Without Pumice One Gallon Bottle (3.785 L)

Application: Gently removes the toughest dirt, grease, grime, soils, resins, printer's ink, paint, glue, rubber gasket and tile cements.

Part No. 1401424H1

Cabinet and Tank Liquid 5 Gallon Pail (18.927 L)

Application: For use in cabinet pressure washers and hot tanks. Not recommended for aluminum, zinc or brass parts.

Part No. 1401425H1

Cabinet and Tank Liquid 55 Gallon Drum (208 L)

Application: For use in cabinet pressure washers and hot tanks. Not recommended for aluminum, zinc or brass parts.

Part No. 1401426H1

Heavy Duty Pressure Wash 5 Gallon Pail (18.927 L)

Application: Heavy-duty concentrated alkaline cleaner. Formulated for use in high-pressure washers. Provides up to two weeks of rust protection if the part is not rinsed after cleaning.

Part No. 1401427H1

Parts Cleaning Solvent 55 Gallon (208 L)

Application: Recommended for marine products and other equipment. For use in solvent stands, immersion tanks, and manual cleaning equipment. Can be used with brush, rags, or spray.

Part No. 1401430H1

Product Name	Size	Part No.
Super Coolant Concentrate	1 Gallon Bottle	1400161H1
Super Coolant Concentrate	55 Gallon Drum	1400162H1
Super Coolant Pre-Mixed	1 Gallon Bottle	1400164H1
Super Coolant Pre-Mixed	5 Gallon Can	1400166H1
Super Coolant Pre-Mixed	55 Gallon Drum	1400165H1
Super Coolant Pre-Mixed	265 Gallon Tote	1401434H1
Brake Fluid (DOT 3)	One Quart Bottle (.946L)	1401419H1
Carb and Choke Cleaner	12 OZ. (340g) Can	1401420H1
Foaming Engine Degreaser	17 OZ. (481g) Can	1401421H1
Glass Cleaner	12 OZ. (340g) Can	1401422H1
Hand Cleaner With Pumice	One Gallon Bottle (3.785 L)	1401423H1
Hand Cleaner Without Pumice	One Gallon Bottle (3.785 L)	1401424H1
Cabinet and Tank Liquid	5 Gallon Pail (18.927 L)	1401425H1
Cabinet and Tank Liquid	55 Gallon Drum (208 L)	1401426H1
Heavy Duty Pressure Wash	5 Gallon Pail (18.927 L)	1401427H1
HD Shop Towels	18 packs/case (56 towels/pack)	1401428H1
Parts Cleaning Solvent	5 Gallon (18.927 L)	1401429H1
Parts Cleaning Solvent	55 Gallon (208 L)	1401430H1

Full support from your Komatsu distributor.

Ask your local Komatsu distributor about maintenance and repair contracts. All work is done by factory-trained mechanics using genuine Komatsu parts and products. Your Komatsu distributor can help keep your equipment running, reduce unscheduled repairs, and lower your overall operating costs.

For more information, please contact your local Komatsu distributor.