

GENUINE GREASE

**KOMATSU
GENUINE
PARTS**

High performance grease for high-load construction machines!



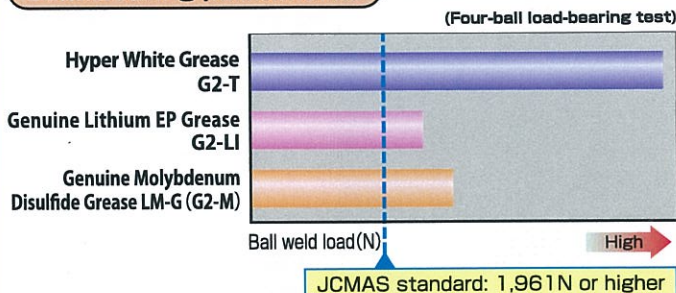
Komatsu genuine grease reduces the life cycle cost of your construction machines.

- Komatsu genuine grease reduces early abrasion and galling of pins, bushes and bearings, and saves repair costs.
- The high performance grease exceeds JCMAS standards, and shows excellent performance even under severe conditions.

* JCMAS is a standard formulated by the Japan Construction Machinery and Construction Association which prescribes the lubrication performance and quality of grease for construction machines.

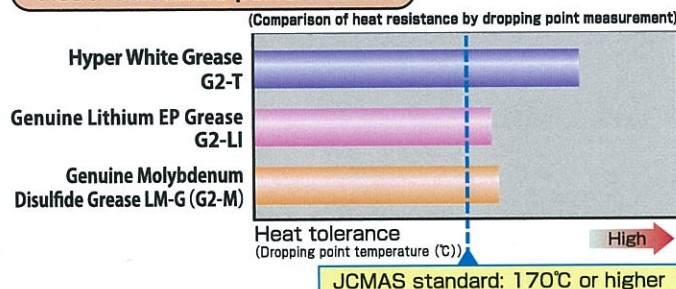
Load bearing performance

Compared to our company's products



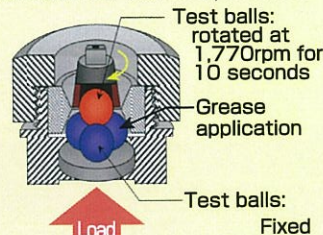
Heat resistance performance

Compared to our company's products



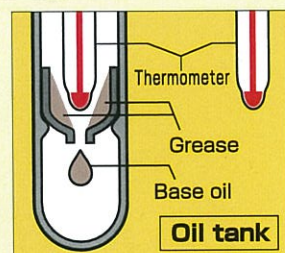
Four-ball load-bearing test

A four-ball extreme-pressure test measures the seizure resistance and galling performance of lubricant oils and grease. The test, which uses four balls of a prescribed size, gradually increases the load applied to the balls, and measures the load at which the balls weld together. A higher weld load of the metal balls denotes a stronger oil film and a higher load bearing capacity.



Heat resistance test (Dropping point)

Dropping point is the temperature at which the base oil in the grease falls out and separates from the thickener, therefore the temperature at which the grease loses its performance.



Major Features

Product Name	High load-bearing capacity	Antiwear	Heat resistance	Water proof resistance	Biodegradability	Rolling bearing lubrication (Fretting resistance)	Remarks
Lithium EP Grease	△	○	○	○		◎	General grease
Hyper White Grease	◎	◎	◎	◎		◎	Non-black High Load Bearing Grease
Molybdenum Disulfide Grease	○	◎	○	○			Molybdenum-blended black grease
Heat-resistant Bio Grease	△	○	◎	○	◎		Synthetic ester-based biodegradable grease
Bio Grease					◎		Plant ester-based biodegradable grease

◎ Optimum

○ Good

△ Adapted

Lithium EP Grease

Multipurpose grease that demonstrates well-balanced quality performance, ideal for all sections subject to lubrication



Specifications

(Cartridge grease for auto-grease system)

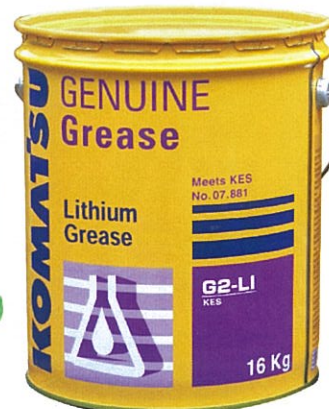
Parts No.	Type	Packaging
SYG2-500LI-A	G2-LI	500g cartridge
SYG2-1000LI-A		1000g cartridge
SYG0-500LI-A	G0-LI	500g cartridge
SYG0-1000LI-A		1000g cartridge

(For cold districts)

Specifications

Parts No.	Type	Packaging
SYG2-80LI-A	G2-LI	80g cartridge
SYG2-400LI-A		400g cartridge
SYGA-16CNLI		16kg can
SYGA-042SP		0.3ℓ spray can
SYG0-400LI-A	G0-LI	400g cartridge
SYG0-16CNLI		16kg can

(For cold districts)



GENUINE GREASE

Hyper White Grease

PROPRIETARY PRODUCT

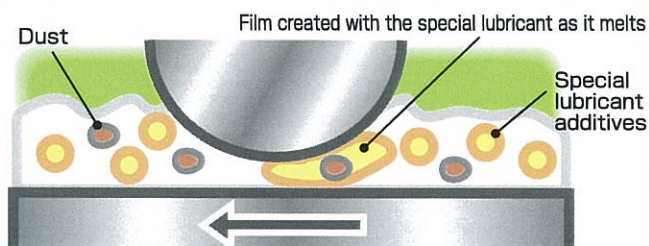
Most competent, multipurpose grease with high load-bearing performance and seizer resistance

- Create strong lubrication films, protect against squeaking and scoring in high-load sliding portions (pins, bushes, etc.)
- Extendable greasing interval
- High heat resistance (dropping point), optimum for bearing parts
- Excellent water proof resistance and good performance even in operation in rivers and other environments exposed to water
- Special lubricant additives reduces wear even in the presence of dust or soil
- White color makes the stain in the clothes unnoticeable

Lubrication mechanism of grease

● Hyper White Grease (G2-T/GO-T)

Special lubricant additives melts under high pressure parts, creates strong lubrication films, and simultaneously, encases dust to achieve even higher lubrication performance than molybdenum disulfide



<Cap color of cartridge type product>
 ● Orange : G2-T ● Green : GO-T

● Specifications

Parts No.	Type	Packaging
SYG2-400T	G2-T	400g cartridge
SYGA-16CNT		16kg can
SYG0-400T	GO-T	400g cartridge
SYG0-16CNT		16kg can

Molybdenum Disulfide Grease

Multipurpose grease with molybdenum disulfide blended in. Appropriate for the sliding portions of pins and bushes due to its high seizure resistance.

● Specifications

Parts No.	Type	Packaging
SYG2-400M	LM-G (G2-M)	400g cartridge×10
SYG2-400M-A		400g cartridge×20
SYGA-16CNM		16kg can



Properties

Item	Product name	Lithium EP Grease		Hyper White Grease		Molybdenum Disulfide Grease
		G2-LI	GO-LI (For cold districts)	G2-T	GO-T (For cold districts)	LM-G (G2-M)
Base oil		Mineral oil	Mineral oil	Mineral oil	Mineral oil	Mineral oil
Kinematic viscosity of base oil	40°C mm²/s	153.0	153.0	210.0	210.0	128.2
	100°C mm²/s	13.6	13.6	20.9	20.9	12.8
	Viscosity index	81	81	117	117	91
Cone penetration		280	370	300	370	305
Worked stability		305 (+25)	385 (+15)	354 (+54)	425 (+55)	345 (+40)
Dropping point (heat resistance) °C		187	185	260<	244	190
Four-ball load-bearing performance and melting load N (kg)		2452 (250)	2452 (250)	6080 (620)	6080 (620)	3089 (315)
Operating temperature range °C		-20~+130	-20~+130	-10~+150	-20~+130	-30~+130

GENUINE GREASE

Bio Grease

- G2-BT is superior in heat resistance and suited for high loading.
- G2-B is for light loading.

Since bacteria in nature quickly decomposes this grease, its impact on surrounding microbes, animals, and plants is minimized. It has obtained an ECO Mark.



Certified as an ECO-Marked product by the Japan Environment Association

Specifications

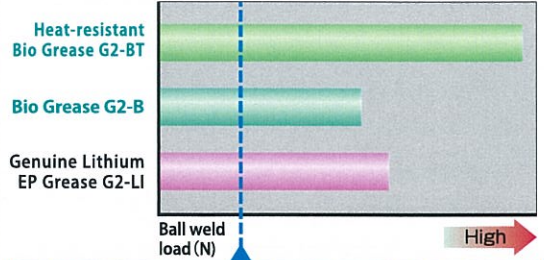
Product Name	Parts No.	Type	Characteristics	Base oil	Biodegradability rate (%) OECD301B method	Packaging
Bio Grease	SYG2-400B	G2-B	For light load	Plant-derived	66.2	400g cartridge
	SYGA-16CNB					16kg can
Heat-resistant Bio Grease	SYG2-400BT	G2-BT	High heat resistance For high load	Synthetic ester	66.6	400g cartridge
	SYGA-16CNBT					16kg can

Load bearing performance

Compared to our company's products

Heat-resistant Bio Grease has excellent seizure resistance at high temperatures and under high loads.

(Four-ball load-bearing test)



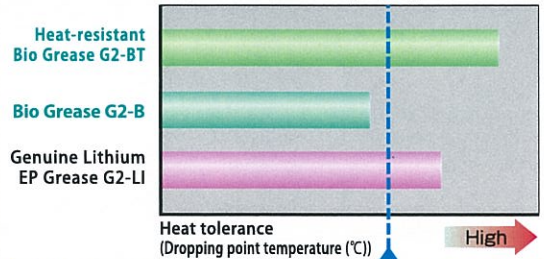
JCMAS standard for biodegradation: 981N or higher

Heat resistance performance

Compared to our company's products

Heat-resistant Bio Grease is high-load bearing grease with excellent heat resistance. Compared to our company's products.

(Comparison of heat resistance by dropping point measurement)



JCMAS standard for biodegradation: 170°C or higher

⚠ Biodegradable grease products cannot be discarded untreated, but must be discarded like ordinary grease.

Grease Pump

Enabling speedy and clean greasing work



Manual type
450A

Specifications

Type	Parts No.	Grease Capacity	Maximum Discharge Pressure (MPa (kgf/cm²))	Discharge (g/sec)	Remarks
Manual type	SYGG-450A	400g cartridge	50 (500)	0.93	For general use
Battery-driven	SYFP-EG400B		32 (320)	1.6	Main body from Yamada
	SYFP-9002		—	—	Battery capacity: 9.6 V
	SYFP-DC1411		—	—	Quick charger
Power-driven	SYFP-EG400D		32 (320)	1.6	Main body from Yamada
Battery-connected	SYFP-BC165D	100 V-connected	—	—	With an extension cord (24 VDC)
	SYFP-EG400A		50 (500)	1.6	Main body from Yamada

• The specifications are subject to change without prior notice for improvement purposes. The photos included in this brochure may differ from the products actually sold. For details on precautions for using this product, see the operation manual.

• PLEASE CONTACT: