



KIREI
CHEMICAL

TECHNICAL DATA SHEET



KATANA SHINOBI CGLP 68

Slidewayoil



DESCRIPTION

KATANA ShinobiCGLP 68—premium mineral oil for horizontal slideways, requiring the use of oils DIN 51 502 (CGLP)category. This oil has high oxidative stability, antiwear properties, good filterability, adhesion and good separation from the water-miscible metalworking fluids.

KATANA Shinobi CGLP 68 is designed for use in modern metalworking machines, injection molding machines and other equipment requiring oils with increased stick slip and anti-wear properties. It provides a uniform movement along the slideways at low speeds without sticking, vibration and slippage. It can be also used in hydraulic systems and gearboxes of industrial equipment,

where ISO VG 68 viscosity grade lubricants are recommended.



TECHNICAL ADVANTAGES

80%

Better adhesion to
metals

KATANA Shinobi CGLP lubricants contain additional additives to improve adhesion of oil to the metal surfaces. This ensures reduced oil consumption, resistance to wash-off by metalworking emulsion and guarantees more uniform movement of the machine.

100%

Better quality of details

Optimum oil formulation avoids stick-slip effect on slideways, providing a more accurate positioning, increase the quality of metal surface and precision of machined parts.

45%

Lower corrosion of
slideways

KATANA Shinobi CGLP 68 has enhanced corrosion protection, which guarantees excellent protection against corrosion of metal machine parts from corrosion in the presence of water-miscible metalworking fluids.



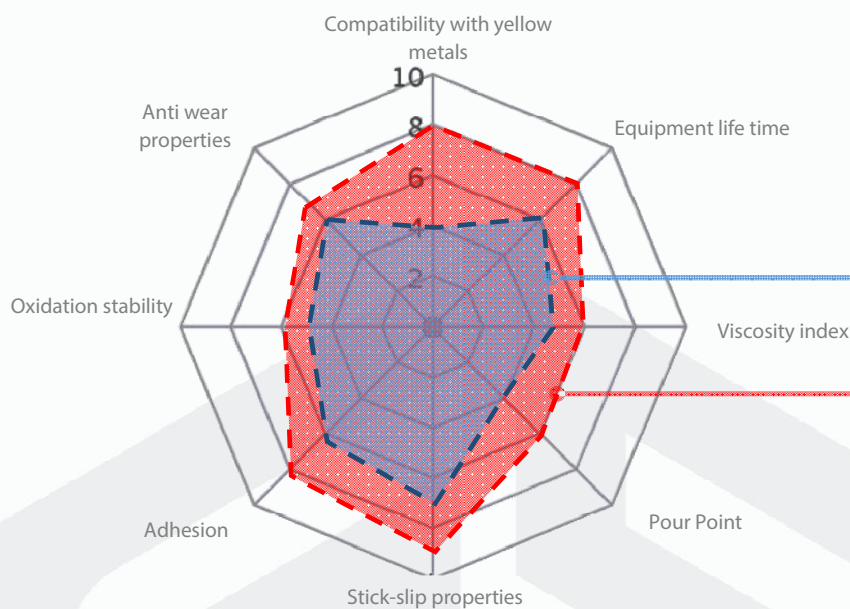
SPECIFICATIONS

KATANA ShinobiCGLP 68 fully satisfies and is recommended to replace following types of slideway fluids: DIN 51 502 CGLP, DIN 51517 part3 (CLP), DIN 51524 part 2 (HLP), Cincinnati Milacron P-47.



TECHNICAL PARAMETERS

Parameter	Test method	Typical CGLP 68 slideway oil	Shinogi CGLP 68
Kinematic viscosity at 40°C, cSt	ASTM D445	68	68
Kinematic viscosity at 100°C, cSt	ASTM D445	8.38	8.57
Viscosity index	ASTM D2270	90	95
TAN, mg KOH/g	ASTM D664	1.0	0.4
Copper corrosion at 100°C	ASTM D130	2b	1b
Flash point in open cup, °C	ASTM D92	180	240
Pour point, °C	ASTM D97	-12	-27
Welding load in 4-ball machine, kg	ASTM D2596	170	200
FZG loading stage	DIN 51534-2	11	12



Physical and chemical characteristics are typical for this product. These parameters are subject to change without notification, however, full compliance with the product specifications is guaranteed.

Shelf life: 5 years from date of manufacture. Store unopened in a cool, dry, well-ventilated and away from children. Avoid direct sunlight, heat sources and strong oxidizing agents. Material Safety Data Sheet (MSDS) for professional users available on request.

Developed in Osaka, Japan. The quality management system in the production of oils KATANA corresponds to the requirements of ISO 9001. The system of environmental safety in the production of oils KATANA corresponds to the requirements of ISO 14001.