



KIREI
CHEMICAL

TECHNICAL DATA SHEET



KATANA KISSAKI CLP 100 LT

Semisynthetic industrial gear oil



DESCRIPTION

KATANA KissakiCLP 100LT—semisynthetic Premium gear oil for heavy duty equipment, requiring the use of DIN 51517 p.3 (CLP) oils. It is produced on synthetic Group IV (PAO) base oils and high refined mineral base oils (Group I) and additives, improving lubricity, anti-oxidation, anti-wear, anti-corrosion and viscosity-temperature properties. It has improved low temperature properties and is recommended for year-round use.

KATANA Kissaki CLP 100 LT has improved anti-wear and EP (Extreme Pressure) characteristics. Designed for the lubrication of heavy duty industrial gears, spur, helical and bevel gears. It provides a high level of antioxidant properties, and has excellent thermal and chemical stability.



TECHNICAL ADVANTAGES

50%

Longer equipment life-time

KATANA Kissaki CLP LT oils withstand the highest 12-th level of the load capacity in FZG gear test. This ensures a reduction of gear wear, reduced energy consumption and, therefore, increased equipment life.

100%

Lower yellow metals corrosion

Due to presence of yellow metals corrosion inhibitors in the formulation, oil is not aggressive towards copper and bronze, does not cause their corrosion and darkening. This ensures a corrosion decreasing in 2-3 times.

50%

Lower Pour Point

KATANA Kissaki CLP 100 LT contains synthetic PAO (Polyalphaolefin) base oils and mineral base oils which pass deep dewaxing process with addition of high effective depressant additives for decreasing the pour point. Pour point of KATANA Kissaki CLP 100 LT is on 20-25 degrees lower traditional mineral CLP type lubricants.



SPECIFICATIONS

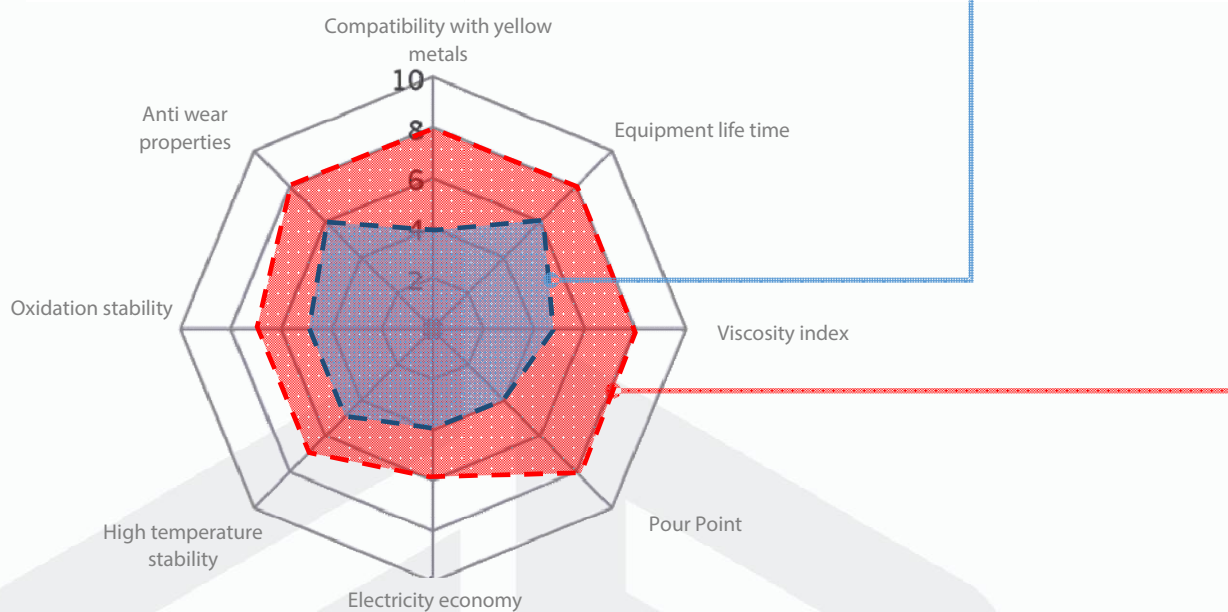
KATANA KissakiCLP 100 LT fully satisfies and is recommended to replace following types of gear oils: DIN 51517 part 3 (CLP), AGMA, David Brown S1.53.10.



TECHNICAL PARAMETERS



Parameter		Test method	Typical CLP 100 gear fluid	Kissaki CLP 100 LT
Kinematic viscosity at 40°C, cSt		ASTM D445	100	100
Kinematic viscosity at 100°C, cSt		ASTM D445	10.81	11.4
Viscosity index		ASTM D2270	90	115
TAN, mg KOH/g		ASTM D664	1.0	0.6
Copper corrosion		ASTM D130	2b	1b
Flash point in open cup, °C		ASTM D92	200	230
Pour point, °C		ASTM D97	-12	-32
Welding load in 4-ball machine, kg		ASTM D2596	180	230
FZG loading stage		DIN 51534-2	12	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.