



KIREI
CHEMICAL

TECHNICAL DATA SHEET



KATANA KISSAKI CLP 68

Industrial gear oil



DESCRIPTION

KATANA KissakiCLP 68—premium mineral gear oil for heavy duty equipment, requiring the use of DIN 51517 p.3 (CLP) oils.

KATANA Kissaki CLP 68 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

20%

Longer equipment life-time

100%

Lower yellow metals corrosion

30%

Lower Pour Point

KATANA Kissaki CLP 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.

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.

KATANA Kissaki CLP 68 passes deep dewaxing process together with the addition of highly depressant additives for decreasing the pour point. Pour point of KATANA Kissaki CLP 68 is on 10-15 degrees lower traditional mineral CLP type lubricants.



SPECIFICATIONS

KATANA KissakiCLP 68 fully satisfies and is recommended to replace following types of gear oils: DIN 51517 part 3 (CLP), Timken OK Load 75 lbs, US Steel 224, AGMA 250.04 EP/9005-D94, David Brown S1.53.10.



TECHNICAL PARAMETERS

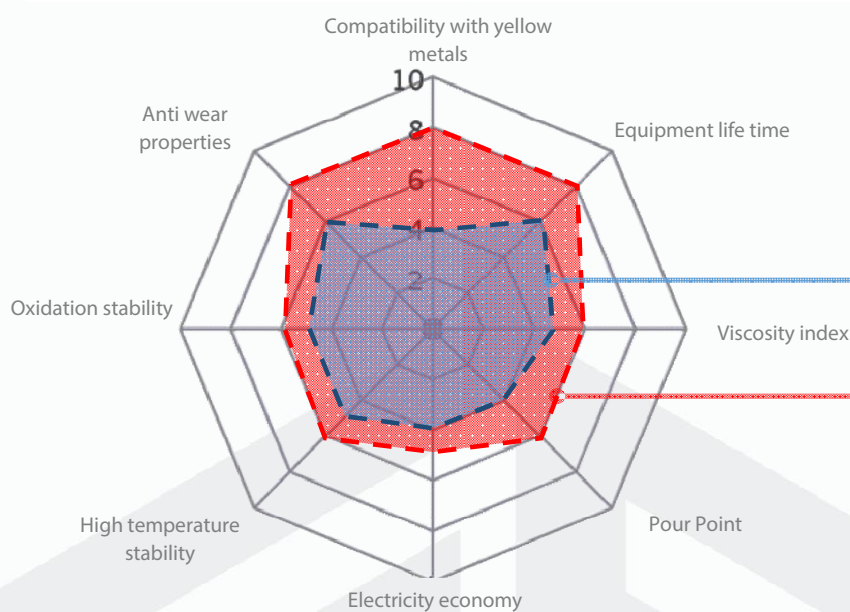
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ISO 9001 Quality System Management
ISO 14001 Environmental Management System

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Parameter		Test method	Typical CLP 68gear fluid	Kissaki CLP 68
Kinematic viscosity at 40°C, cSt		ASTM D445	68	68
Kinematic viscosity at 100°C, cSt		ASTM D445	8.38	8.8
Viscosity index		ASTM D2270	90	100
TAN, mg KOH/g		ASTM D664	1.0	0.5
Copper corrosion		ASTM D130	2b	1b
Flash point in open cup, °C		ASTM D92	180	228
Pour point, °C		ASTM D97	-12	-25
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.