KIREI CHEMICAL

TECHNICAL DATA SHEET

KATANA KISSAKI CLP PAO 68

Synthetic industrial gear oil

DESCRIPTION

KATANA Kissaki CLP PAO 68–fully synthetic all season Premium gear oil based on PAO (polyalphaolefin) for heavy duty equipment, requiring the use of DIN 51517 p.3 (CLP) oils. It recommended for long drain application.

KATANA Kissaki CLP PAO 68 has improved anti-wear and extreme pressure EP (Extreme Pressure) characteristics, protects the gearbox and bearings from micro-pitting and wear. It is designed for the lubrication of heavy duty industrial gears, spur, helical and bevel gears, operating in a wide temperature range. KATANA Kissaki CLP PAO 68 provides a high level of antioxidant properties, has excellent thermal and chemical stability. It has natural high viscosity index oil which provide excellent low temperature properties. Oil has low friction coefficient and guarantees electricity saving. It does not cause corrosion of yellow metals. Fluid is not compatible with synthetic oils based on polyalkylene glycols (PAG).

TECHNICAL ADVANTAGES

150%	300%	50%
Longer equipment life-time	Longer lubricant life time	Wider service temperature range
KATANA Kissaki CLP PAOoils withstand more than 13-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 synthetic PAO base oils KATANA Kissaki CLP PAOprovides excellent thermal and oxidation stability. Compared with conventional mineral oils drain intervals of PAO oils are 3-4 times more.	KATANA Kissaki CLP PAO 68 gear oils are based on polyalphaolefin synthetic oils that have excellent low-temperature properties, high viscosity index and excellent oxidation stability in high temperature zone. Due to this temperature range of PAO oil is 2 times wider than the standard CLP mineral oils.

СПЕЦИФИКАЦИИ

KATANA Kissaki CLP PAO 68 fully satisfies and is recommended to replace following types of gear oils:DIN 51517 part 3 (CLP), ISO 6743-6/12925-1 (CKD), USSteel224, CincinnatiMilacron, DavidBrownS1.53.106, Flender, AGMA 9005-E02.

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ISO 9001 Quality System Management
ISO 14001 Environmental Management System

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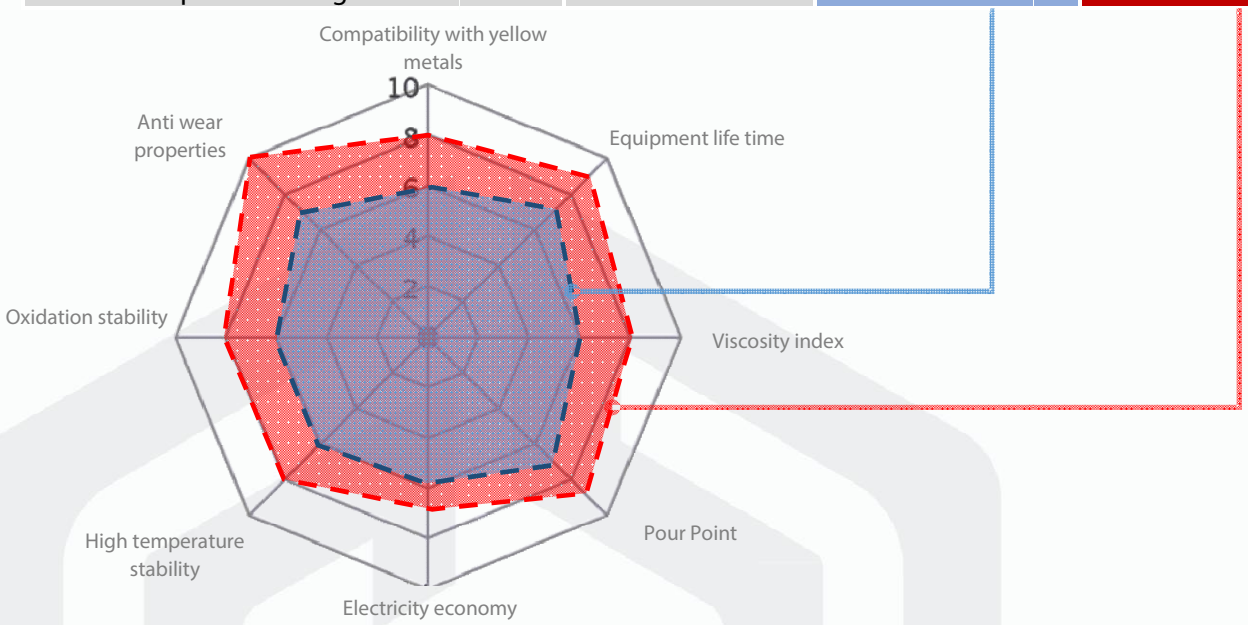
TECHNICAL PARAMETERS

Parameter		Test method	Typical CLP PAO 68 gear fluid		Kissaki CLP PAO 68
Kinematic viscosity at 40^{0}C, cSt		ASTM D445	68		68
Kinematic viscosity at100^{0}C, cSt		ASTM D445	10.43		11.34
Viscosity index		ASTM D2270	130		160
Copper corrosion		ASTM D130	2b		1b
Flash point in open cup, ^{0}C		ASTM D92	220		230
Pour point, ^{0}C		ASTM D97	-40		-54
Timken load test		ASTM D2782	75		90
FZG loading stage		DIN 51534-2, A/8.3/90	12		>13
FZG micro pitting test		FVA 54/7	8		10+
Service temperature range		-	-40…+120		-50…+140



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.

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