KIREI CHEMICAL

TECHNICAL DATA SHEET

KATANA KISSAKI CLP PAG 68

Synthetic industrial gear oil

DESCRIPTION

KATANA Kissaki CLP PAG 68–fully syntheticall season Premium gear oil based on PAG (polyalkylene glycol) for heavy duty equipment, requiring the use of DIN 51517 p.3 (CLP) oils. It has extremely high resistant to aging and oxidation, has good viscosity with respect to temperature and shows exceptional behavior at high temperatures.

KATANA Kissaki CLP PAG 68 has naturally high viscosity index and load capacity, which gives the oil excellent anti-wear and EP (Extreme Pressure) properties, protects the gearbox and bearings from micro-pitting and wear and provides a wide temperature range of application. It is designedspecially for worm gears with steel-bronze pair. Polyalkylen glycol basis ensures low friction coefficient, which contributes to energy savings (5-15%), and the effective EP additives reduce wear. This oil can also beused for the lubrication of all types of bevel and cylindrical gears, rolling and sliding bearings and gear pairs, especially at high operating temperatures. KATANA Kissaki CLP PAG 68 is not compatible with other types of base oils, including mineral and synthetic polyalphaolefins (PAO) oils. Check compatibility with seals and paints!

TECHNICAL ADVANTAGES

200%	350%	50%
Longer equipment life-time	Longer lubricantlife time	Wider service temperature range
KATANA Kissaki CLP PAG oils 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 PAG base oilsKATANA Kissaki CLP PAG provides excellent thermal and oxidation stability. Compared with conventional mineral oils drain intervals of PAG oils are 3-5 times more.	KATANA Kissaki CLP PAG 68 gear oilsare based on polyglycol 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 PAGoil is 2 times wider than the standard CLP mineral oils.

SPECIFICATIONS

KIREI CHEMICAL Co. Ltd
650-0002 Hyogo Pref., Kobe-Shi, Chuo-ko, Kitano 3-7
+819030361973
info@kirei-chemical.com

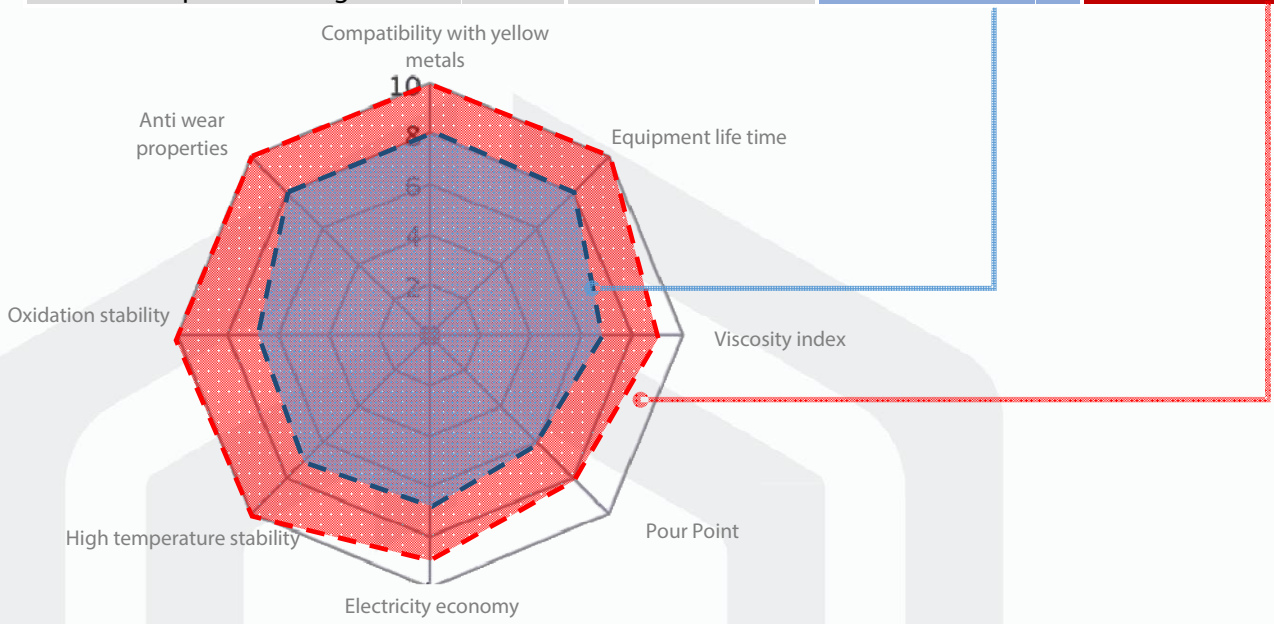
ISO 9001 Quality System Management
ISO 14001 Environmental Management System

www.kirei-chemical.com

KATANA Kissaki CLP PAG 68 fully satisfies and is recommended to replace following types of gear oils:DIN 51517 part 3 (CLP), ISO 6743/6 (CKS/CKT), DavidBrown.

TECHNICAL PARAMETERS

Parameter		Test method	Typical CLP PAG 68 gear fluid		Kissaki CLP PAG 68
Kinematic viscosity at 40^{0}C, cSt		ASTM D445	68		68
Kinematic viscosity at100^{0}C, cSt		ASTM D445	10.43		13.27
Viscosity index		ASTM D2270	140		200
Copper corrosion		ASTM D130	2b		1b
Flash point in open cup, ^{0}C		ASTM D92	220		260
Pour point, ^{0}C		ASTM D97	-30		-35
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		-	-25…+140		-30…+160



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.

KIREI CHEMICAL Co. Ltd
650-0002 Hyogo Pref., Kobe-Shi, Chuo-ko, Kitano 3-7
+819030361973
info@kirei-chemical.com