IKV-TRIBOFOOD GBX 150 PG

DESCRIPTION

IKV-TRIBOFOOD GBX 150 PG is a polyalkylène glycol synthetic oil which possesses an excellent resistance to high pressures and appreciably decrease the friction factor especially in presence of important sliding and low linear speeds.

IKV-TRIBOFOOD GBX 150 PG has a very high thermal conductivity. Its naturally very high viscosity index allows exceptional low temperature performance including low consumption at start-up, high film thickness at high temperatures, a specific combination of additives results in excellent oxidation stability, high resistance to sludge and deposit formation, provides high load carrying capability, good wear protection and good rust and corrosion protection.

The low coefficient of friction provided by **IKV-TRIBOFOOD GBX 150 PG** reduces the operating temperatures and power consumption.

IKV-TRIBOFOOD GBX 150 PG is formulated exclusively using components that appear in the positive list of the Food and Drugs Administration (FDA) and is registered according to National Sanitary Foundation **NSF H-1** standard.

IKV-TRIBOFOOD GBX 150 PG is also free of animal derived materials and allergens from nuts, cereals or gluten.

IKV-TRIBOFOOD GBX 150 PG is not miscible with mineral oils and is only compatible with water insoluble PAG oils, though the performance of the resulting combination will depend also on the performance of the lubricant it has been mixed with.

It is compatible with NBR up to 80°C and with EPDM, FKM or VMQ seals and rubbers. But it is because of this infinite range and variety of polymer combinations and variations in the final formulation that it is usually up to the end user to decide if further compatibility testing is required before making any decision about future use in a new application or with a new material.
Two component paints are recommended for interior coating and natural glass or polyamid materials for oil gauge glasses.

TYPICAL APPLICATIONS

IKV-TRIBOFOOD GBX 150 PG is suitable for lubrication of gears, worm gears (steel-on-steel or steel-on-bronze) and bearing as circulating oils in all areas in food and beverage processing, pharmaceutical and associated packaging industries.

It can be included as part of a HACCP plan.
It allows a low friction coefficient capable of being maintained even with water contamination up to1%.

IKV-TRIBOFOOD GBX 150 PG is designed specifically for bearings, plain bearings operating in a wide range of service applications at high and low temperatures and high loads.

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IKV-TRIBOFOOD GBX 150 PG can also be used in circulating systems for the lubrication of all machines exposed to high temperature or high loads. As example, it is used for calendar operations, on single facers for corrugating board and is recommended also for the chemical industry in components and plant operating over a broad temperature range. Its excellent performances help to protect components and equipment, to extend their life and to reduce maintenance costs.

APPLICATION METHOD

Before using **IKV-TRIBOFOOD GBX 150 PG** the system should be cleaned and flushed to achieve the maximum performance benefits.

PROPERTIES

CHARACTERISTICS	VALUES	UNITS	TESTS
Colour	Clear		
Oil nature	PAG		
Kinematic viscosity at 40°C	150	cSt	ASTM D-445
Kinematic viscosity at 100°C	26.3	cSt	ASTM D-445
Viscosity Index	212		ASTM D-2270
Flash point	210	°C	ASTM D-92
Pour point	-40	°C	ASTM D-97
Density at 20°C	0.990	g / cm3	ASTM D-1298
Copper Corrosion test (3 hrs @ 100°C)	1a		ASTM D-130
Useful temperature range	-37 / 200	°C	
4 balls test			
4 balls test - Scar diameter (1h-40kg @75°C)	< 0.45	mm	ASTM D-4172
4 balls test - Welding Load	> 180	kgf	ASTM D-2596

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