

IKV-TRIBOFOOD HLQ 32

► DESCRIPTION

IKV-TRIBOFOOD HLQ series oils are developed from isoparaffinic hydrocarbon base and produced through a hydrotreatment process. They contain virtually no sulfur, nitrogen or aromatics which contributes to ageing alteration (degradation) of other oils in this class. This purity and chemistry provides qualities that are essential to many applications, for instance, they are colorless and almost odourless.

In addition, these base oils meet the stringent medicinal white oil purity requirements of the major international pharmacopoeias, including the European Pharmacopoeia, the United States Pharmacopoeia, the Chinese Pharmacopoeia and the Indian Pharmacopoeia.

IKV-TRIBOFOOD HLQ 32 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 HLQ series is also free of animal derived materials and allergens from nuts, cereals or gluten.

IKV-TRIBOFOOD HLQ series offers an outstanding combination of characteristics that can facilitate enhanced performance in the applications in which they are used. Its excellent performances help to protect components and equipment, to extend their life and to reduce maintenance costs.

These properties include:

-Outstanding high temperature performance

Excellent resistance to oxidative breakdown even at high temperature allows to longer fluid life and helps to keep systems free of sludge and varnish to ensure reliable operation of hydraulic valves and actuators.

-Excellent lubrication

The natural ability of these base oils to provide superior lubrication under a wide range of applications. Their low coefficient of friction reduces operating temperatures and power consumption.

-Outstanding anti-wear performance

These oils protect equipment operating at high production rates for extended periods in demanding conditions. Long reliable component life, resulting in greater plant utilization.

-Good anticorrosion protection

These fluids provide an effective protection of all metal working surfaces in humid or wet operations.

-high viscosity index

Minimum variation of viscosity with changes in temperature, gives the opportunity to reduce the number of lubricants used on site, resulting in reduced inventory cost.

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-low pour point

Start-up and running temperatures are possible from -30°C to -20°C according to the viscosity grade.

-high resistance to foaming and air entrapment

Avoiding damage caused by pump cavitation and prevents reservoir overflow.

-Chemical compatibility

though the performance of the resulting combination will depend also on the performance of the lubricant it has been mixed with. It is also compatible with the most seals, rubbers, plastics and coatings used in equipment already lubricated with mineral or PAO oils.

► TYPICAL APPLICATIONS

IKV-TRIBOFOOD HLQ series is suitable for lubrication of bearings, plain bearing, hydraulic and circulatory oil systems, compressor and vacuum pump applications in all areas in food and beverage processing, pharmaceutical and associated packaging industries.

It can be integrated as part of a HACCP programme.

IKV-TRIBOFOOD HLQ Series is recommended also for the chemical industry in components and plant operating over a broad temperature range.

► APPLICATION METHOD

Before using **IKV-TRIBOFOOD HLQ series**, the system should be cleaned and flushed to in order achieve the maximum performance benefits and also to comply with H-1 registration.

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► PROPERTIES

CHARACTERISTICS	VALUES	UNITS	TESTS
Oil nature	Medicinal		
Kinematic viscosity at 40°C	32	cSt	ASTM D-445
Kinematic viscosity at 100°C	6.00	cSt	ASTM D-445
Viscosity Index	131		ASTM D-2270
Flash point	225	°C	ASTM D-92
Pour point	-30	°C	ASTM D-97
Density at 20°C	0.831	g / cm3	ASTM D-1298
Copper Corrosion test (3 hrs @ 100°C)	< 1b		ASTM D-130
4 balls test - Scar diameter (1h-40kg @75°C)	0.46	mm	ASTM D-4172
FZG Scuffing (A/8,3/90)	11	stage	DIN 51354
Useful temperature range	-35 / 110	°C	

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