



Foodmax Gear PAG

Synthetic gear and chain oil for the food industry

Description

Foodmax Gear PAG is a range of high performance long life synthetic food grade gear oils particularly suited for the lubrication of drive chains, conveyor chains, gearboxes and reduction units. The fluids are provided with excellent anti wear properties, high stability to oxidation and a low pour point. Will resist mechanic shearing, very stable to ageing and present a very good viscosity - temperature behaviour. Foodmax Gear PAG fluids are adhesive and will therefore prevent from wear during start-up operation.

Foodmax Gear PAG is InS and NSF H1 registered for incidental food contact.

Applications

Foodmax Gear PAG is intended for the lubrication of gearboxes, endless screws, circulating systems, bearings and conveyor chains (up to 240 °C). Foodmax Gear PAG suits very well in very wet environments as it remains unaffected by water.

Benefits

- Extremely good oxidation stability extending lubricant life
- Excellent water resistant properties, demulsibility ensures total separation of water from oil
- Adhesive
- Penetrates to chain links and pins reducing wear and extending chain life
- Non-dripping
- Protects from corrosion even in presence of alkali materials
- Extremely wide temperature range
- Excellent resistance to high loads

Cautions

The product is neither miscible with mineral base oils nor with different nature synthetic oils. So it is advisable to proceed to a good cleaning (flushing) of the mechanism to be lubricated prior to use the oil.

All performance data on this Technical Data Sheet are indicative only and can vary during production

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Typical performance data

	Test method	PAG 220	PAG 320	PAG 460	PAG 680	PAG 1000
Density @ 20 °C, g/ml		1.001	1.002	1.004	1.005	1.006
Colour		<L-0.5	<L-0.5	<L-0.5	<L-0.5	<L-0.5
Viscosity @ 40 °C, cSt	ASTM D4451	218	322	458	678	998
Viscosity index	ASTM D2270	135	134	133	136	135
Pour point, °C	ASTM D92	<-35	<-30	<-30	<-30	<-30
Flash point, °C	ASTM D97	280	280	280	280	280
Copper corrosion, 3h/100 °C	ASTM D130	1b	1b	1b	1b	1b
Steel corrosion	ASTM D665A	Pass	Pass	Pass	Pass	Pass
4-ball wear test						
• Welding load, kg		>180	>180	>180	>180	>180
• Wear scare diameter, 1h/40 kg, mm		<0.4	<0.4	<0.4	<0.4	<0.4
FZG		12	12	12	12	12
Foaming	ASTM D892					
• Sequence 1		Nil	Nil	Nil	Nil	Nil
• Sequence 2		Nil	Nil	Nil	Nil	Nil
• Sequence 3		Nil	Nil	Nil	Nil	Nil

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