TEXOL
Chemical

Technical Data Sheet

Texol Hydosyn™ FG Series
Synthetic technology hydraulic oils, physiologically safe, InS Service H1 registration

Product Description

Texol Hydosyn™ FG are hydraulic oils, especially developed to meet the special requirements of the food and beverage industries. They are based on pharmaceutical and synthetic oils contain carefully selected additives to prevent wear, oxidation and corrosion.

Texol Hydosyn™ FG hydraulic oils comply with and even exceed DIN 51524 part 2 for HLP hydraulic oils.

Applications and Uses

For the special applications in the food and beverage industries where there may be exposure of the lubricated part to the edible product or its packaging

For hydraulic systems in production, filling and packaging machines

Advantages

- HYDOSYN™ technology
- Odorless, tasteless and colorless
- Physiologically safe, InS Service H1 registration
- Biodegradable
- No foam formation
- Excellent viscosity/temperature behavior
- Excellent anti-wear properties
- Mild extreme pressure properties
- Good water seperation ability
- High aniline point
- Rust and oxidation stability
- Miscible with mineral oil

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Typical Properties

Property (Unit)	FG 10	FG 22	FG 32	FG 46	FG 68	Method
Density at +15 °C	846	860	865	870	875	DIN 51757
Viscosity @40°C, cSt	10.8	22.1	30.5	43.6	65.6	DIN 51550
Viscosity @100°C, cSt	2.75	4.29	5.81	7.43	10.28	DIN 51550
ISO Viscosity Grade	10	22	32	46	68	DIN 51519
Viscosity Index	128	128	130	130	136	DIN ISO 2909
Flash Point, °C	210	212	219	235	235	DIN ISO 2592
Pour Point, °C	-38	-36	-36	-32	-30	DIN ISO 3016
Four ball weld load, N	1200	1200	1400	1400	1500	DIN 51350-02
Steel corrosion	0	0	0	0	0	DIN 51585
FZG test (A/8.3/90)			>10			DIN 51354

Notes for Use

- Please observe the viscosity specified by the manufacturer.
- Good compatibility with conventional sealing materials.
- When changing over from mineral oil to Texol Hydosyn™ FG oil filters have to be monitored and – if necessary exchanged or cleaned