

Technical Data Sheet

Texol Hydosyn™ FG-S Series

Fully synthetic hydraulic oils, physiologically safe, InS Service H1 registration

Product Description

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

Texol Hydosyn™ FG-S hydraulic oils comply with and even exceed DIN 51524 part 2 for HLP hydraulic oils and CLP gear 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
- TFAS® additive package
- Tasteless and colourless to pale yellow
- Physiologically safe, InS Service H1 registration
- No foam formation
- Excellent viscosity/temperature behavior
- Excellent anti-wear properties
- Excellent viscosity index improver properties
- Mild extreme pressure properties
- Excellent water separation ability
- High aniline point
- Rust and oxidation stability
- Miscible with mineral oil

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Typical Properties

Property (Unit)	FG-S 22	FG-S 32	FG-S 46	FG-S 68	FG-S 100	Method
Density at +15 °C	862	865	872	876	882	DIN 51757
Viscosity @40°C, cSt	22.6	30.5	46.8	67.7	100.20	DIN 51550
Viscosity @100°C, cSt	4.60	5.81	8.02	10.86	14.22	DIN 51550
ISO Viscosity Grade	22	32	46	68	100	DIN 51519
Viscosity Index	160	162	164	168	169	DIN ISO 2909
Flash Point, °C	235	240	240	242	245	DIN ISO 2592
Pour Point, °C	-40	-40	-37	-35	-32	DIN ISO 3016
Four ball weld load, N	1400	1500	1500	1600	1600	DIN 51350-02
Steel corrosion	0	0	0	0	0	DIN 51585
FZG test (A/8.3/90)			>14			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 Hydrosyn™ FG-S oil filters have to be monitored and – if necessary exchanged or cleaned