



Texol Hydrosyn™ FG-S Series

Technical Data Sheet

Texol Hydrosyn™ FG-S Series

Fully synthetic hydraulic oils, physiologically safe, NSF H1 registration

Product Description

Texol Hydrosyn™ 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 Hydrosyn™ 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, NSF 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 15	FG-S 22	FG-S 32	FG-S 46	FG-S 68	FG-S 100	FG-S 150	Method
Density at +15 °C	860	862	865	872	876	882	885	DIN 51757
Viscosity @40°C, cSt	15.2	22.6	30.5	46.8	67.7	100.2	150.1	DIN 51550
Viscosity @100°C, cSt	4.20	4.60	5.81	8.02	10.86	14.22	19.25	DIN 51550
ISO Viscosity Grade	15	22	32	46	68	100	150	DIN 51519
Viscosity Index	155	160	162	164	168	169	175	DIN ISO 2909
Flash Point, °C	230	235	240	240	242	245	258	DIN ISO 2592
Pour Point, °C	-45	-40	-40	-37	-35	-32	-35	DIN ISO 3016
Four ball weld load, N	1300	1400	1500	1500	1600	1600	1750	DIN 51350-02
Steel corrosion				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