

TECHNICAL DATA

STELLA Food Oil

ISO 22, ISO 32, ISO 46, ISO 68, ISO 100



Description

STELLA Food Oil fluids are synthetic food grade, non-toxic oils, suitable for multiple applications where incidental contact with food may occur in food, drink and pharmaceutical processing and packaging equipment. These PAO-based premium high performance NSF H1 registered fluids are extremely hydrolytically stable and combined with high purity additives are suited to multi-functional applications, including those requiring hydraulic, compressor, pneumatic, vacuum pump and bearing lubricant applications. The premium oxidation and corrosion inhibitors together with superior anti-wear additives promote excellent cleanliness and a longer charge life is achieved due to the exceptional chemical and thermal stability of the additive components in the finished oil.

Applications

STELLA Food Oil fluids are particularly suited to all types of hydraulic systems and pumps operating at high speeds. The exceptional performance of the anti-wear additives in the important areas of high-speed / high-pressure pump protection, anti-rust and corrosion, thermal and oxidative stability and filtering ability provides a cost-effective lubricant which reduces equipment downtime. Suitable also as compressor oils (particularly for those requiring non-zinc additives), bearing oils for ball, roller and plain bearings, gear oils for lightly loaded gear boxes, vacuum pump oils, circulating oils in factory circulating systems and as airline fluids in pneumatic air systems.

Compliances

NSF H1 Registered

Bacterial growth prevention

Excellent anti-wear, demulsibility, corrosion and oxidation protection meeting minimum standards of:

Use where incidental food contact may occur

Inhibits bacterial growth and mould formation in oil

DENISON HF-0, EATON I-286-S, U.S. STEEL 127, CINCINATTI MILACRON P-68 / P-69 / P-70, DIN 51524 parts 2 and 3, & DIN 51506 (VDL)

Directions for use

STELLA Food Oil fluids are suitable for equipment systems subject to the correct ISO grade to be used according to the equipment manufacturer's specification. Follow manufacturer's instructions. It is important to purge the system of the previous oil prior to recharging with STELLA Food Oil.



Food Grade Oils Pty Ltd
 ABN 73 151 278 992
 Unit 5, 155 Canterbury Rd Kilsyth Victoria 3137
Office: (03) 9761 7666
Fax: (03) 9761 7655
 Email: info@foodgradeoils.com.au

Technical Data (typical values)

ISO Grades		22	32	46	68	100
Appearance	ASTM D4176	Bright & Clear liquid				
Base oil		Polyalphaolefin				
Density at 15.6°C, kg/L	ASTM D4052	0.82	0.828	0.831	0.833	0.836
Kinematic Viscosity at 40°C (cSt)	ASTM D445	19.9	31.5	46.3	67.3	102
Kinematic Viscosity at 100°C (cSt)	ASTM D445	4.44	6.14	8.1	10.8	14.7
Viscosity Index	ASTM D2270	138	147	149	151	150
Flash Point (COC) °C	ASTM D92	>210	>230	>235	>240	>240
Pour Point (Max.) °C	ASTM D97	-61	-59	-56	-55	-52
Vane Pump Test, Total Mass Loss, mg	ASTM D7043	<15	<15	<15	<15	<15
Rust Prevention Properties	ASTM D665-B	Pass	Pass	Pass	Pass	Pass
Water Separability (minutes)	ASTM D1401	30	30	30	30	30

All ingredients are FDA listed. STELLA Food Oil fluids are NSF H1 registered and meet the USDA 1998 H1 Guidelines.

These products do not contain genetically modified ingredients, nut oil or nut oil derivatives.

The content of this data sheet is given in good faith but without warranty (June 14).