



## TECHNICAL DATA

### STELLA Food Oil

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



#### Description

STELLA Food Oil fluids are Full Synthetic Food Grade Oils suitable for hydraulic systems, screw and vane compressors, airlines, heat transfer and multi-purpose lubrication in the food, drink and pharmaceutical industries.

Suitable for multiple applications, STELLA Food Oils are NSF H1 registered for use where incidental contact with food may occur in food, drink and pharmaceutical processing and packaging equipment

These PAO-based high performance fluids provide superior performance, especially in higher temperature applications, deliver premium oxidation resistance, corrosion inhibitors and superior anti-wear additives to promote excellent cleanliness.

Longer oil 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

- Suitable for multi-service applications
- Hydraulic pumps, motor and actuators
- Compressors (particularly for those requiring non-zinc additives)
- Bearing oil for ball, roller and plain bearings
- Gear oils for lightly loaded gear boxes
- Vacuum Pump oil
- Circulating oils
- Airline fluids in pneumatic air systems

#### 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.

#### Technical Data (typical values)

ISO Grades		22	32	46	68	100	150
Appearance	ASTM D4176	Bright & Clear liquid					
Base oil		Polyalphaolefin (PAO)					
Density at 15.6°C, kg/L	ASTM D4052	0.82	0.82	0.83	0.83	0.84	0.84
Kinematic Viscosity at 40°C (cSt)	ASTM D445	19.9	31.5	46.3	67.3	102	148
Kinematic Viscosity at 100°C (cSt)	ASTM D445	4.44	6.14	8.1	10.8	14.7	19.3
Viscosity Index	ASTM D2270	138	147	149	151	150	149
Flash Point (COC) °C	ASTM D92	>210	>230	>235	>240	>240	>240
Pour Point (Max.) °C	ASTM D97	-61	-59	-56	-55	-52	-51
Rust Prevention Properties	ASTM D665-B	Pass	Pass	Pass	Pass	Pass	Pass
Water Separability (minutes)	ASTM D1401	30	30	30	30	30	30



STELLA – FOOD OIL 22 (149331),  
STELLA – FOOD OIL 32 (148197),  
STELLA – FOOD OIL 46 (146078),  
STELLA – FOOD OIL 68 (145701)  
STELLA – FOOD OIL 100 (149332)  
& STELLA FOOD OIL 150 (153889)

are NSF H1 registered for use where incidental food contact may occur. All ingredients are FDA listed.

This product does not contain genetically modified ingredients, nut oil or nut oil derivatives.

The content of this data is given in good faith but without warranty (January 2019).

## Part Numbers

VISCOSITY GRADE	Product name	Part number and description
ISO 22	STELLA – FOOD OIL 22	#1-1134 – STELLA – FOOD OIL 22 - 20L #1-1131 – STELLA – FOOD OIL 22 - 205L
ISO 32	STELLA – FOOD OIL 32	#1-1164 – STELLA – FOOD OIL 32 - 20L #1-1161 – STELLA – FOOD OIL 32 - 205L
ISO 46	STELLA – FOOD OIL 46	#1-1194 – STELLA – FOOD OIL 46 - 20L #1-1191 – STELLA – FOOD OIL 46 - 205L
ISO 68	STELLA – FOOD OIL 68	#1-1224 – STELLA – FOOD OIL 68 - 20L #1-1221 – STELLA – FOOD OIL 68 - 205L
ISO 100	STELLA – FOOD OIL 100	#1-1254 – STELLA – FOOD OIL 100 - 20L #1-1251 – STELLA – FOOD OIL 100 - 205L
ISO 150	STELLA FOOD OIL 150	#1-1284 – STELLA – FOOD OIL 150 - 20L #1-1281 – STELLA – FOOD OIL 150 - 205L