

SERIOLA FG SERIES



LUBRICATION



Synthetic blend food-grade heat-transfer fluid

APPLICATIONS

Heat transfer systems in food plants

- **SERIOLA FG** is highly efficient, thermally stable, low-color food grade heat transfer oil. It is designed for applications in food plants where oil may come in incidental contact with edible products or food packaging. It also contains potent oxidation inhibitors to minimize sludge and varnish deposits and maximize oil life. It is colorless, odorless, tasteless and non-toxic to both humans and aquatic life.
- **SERIOLA FG** oil meets the requirements of FDA Specification 21 CFR 178.3570 and the oils are H-1 quality lubricants as judged by the USDA. It is suitable for use in federally inspected meat and poultry plants in different very hot production processes such as thermostatic baths, autoclaves, reactors, ovens, molds or presses. It is recommended for use up to 500 F (bulk oil temperature). This quality lubricant is used where incidental contact with food products may occur, such as bakeries, container manufacturing plants, bottlers, canneries and water utilities.

PERFORMANCE

International and OEM Specifications

- ISO 6743/12 class L-QB
- Conforms to FDA 21 CFR 178-3570 (USDA H-1 quality)

ADVANTAGES

Long service life

- High viscosity index with excellent shear stability
- Incidental food contact permitted—USDA H-1 quality
- Excellent thermal and oxidative stability reduces sludge and varnish deposits and extends oil service life

TYPICAL CHARACTERISTICS—SERIOLA FG SERIES

ISO Grade	22	32
Viscosity, cSt @ 40 C (ASTM D 445)	21	32
Viscosity, cSt at 400°F (205 °C) calculated	1.12	1.42
at 500°F (260 °C) calculated	0.75	0.934
Viscosity Index (ASTM D 2272)	100	117
Pour Point °F (°C) (ASTM D-97)	+5 (-15)	-5 (-21)
Flash Point °F (°C) (ASTM D-92)	420 (216)	430 (221)
Vapor Pressure, psia @ 400 °F calculated	0.1	<0.1
Molecular weight, calculated	390	410
Density @ 60 °F (ASTM D 1298)	0.860	0.861
@ 200 °F calculated	0.814	0.815
@ 400 °F calculated	0.759	0.760
Bulk oil temperature limit, °F	500	510
Skin temperature limit, °F	530	540

TOTAL Lubricants USA Southwest

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