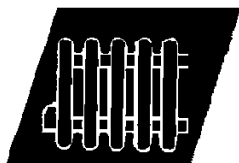


SERIOLA SY NA



HEAT TRANSFER
& LUBRICATION



TOTAL

Synthetic heat transfer oil

APPLICATIONS

Very hot circulating oils systems

- **SERIOLA SY** is a full synthetic polyalkylene glycol fluid which is rated for applications up to 510 degrees F. It contains potent additives of low volatility to inhibit oxidation and thermal degradation. It is formulated to minimize deposits and reduce sludge while maximizing life. Its low vapor pressure reduces the risk of pump cavitation, decreases odors and reduces fire hazards which lead to safer operations. It is non-toxic and non-hazardous and does not require any special health or safety warnings or disposal procedures.
- Recommended for open hot oils systems that operate up to 400 F or closed systems operating up to 510 F (65 C). Such systems are found in a variety of industries such as plastics, chemicals, food, paper, petro-chemicals and road construction.

SPECIFICATIONS

International specifications

- ISO 6743/12 Category L

ADVANTAGES

Long fluid life and high operating reliability

- Excellent thermal stability
- High flash point and low vapor pressure
- Non-toxic and non-hazardous
- High natural viscosity index.

TYPICAL CHARACTERISTICS—SERIOLA SY OIL

Density @ 100 °F	0.900	Color, ASTM D 1500	L1.0
Flash Point, COC, °F (ASTM D 92)	515 (268)	Viscosity, 40°C, cSt (ASTM D 445)	49
Pour Point, °F, (°C) (ASTM D 97)	-40 (-40)	Viscosity, 100°C, cSt (ASTM D 445)	9.2
Estimated thermal conductivity at 500 F (260 C), Btu/hr-sq ft-deg F	0.075	Viscosity Index (ASTM D 2270)	172
Estimated specific heat at 400 F (205 C), BTU/lb-degree F	0.609	Calc. Molecular weight	320
Min. temperature for fully developed turbulent flow (10 ft/sec, 1-inch tube)	225 F*	Calc. vapor pressure at 450 F, torr	6
*Bulk temperature limit °F, (°C)	265 (510)	Calc. vapor pressure at 550 F, torr	35
*Skin temperature limit °F, (°C)	572 (300)	Carbon residue, wt%	0.007
		Auto ignition point °F, (°C)	620 (327)

* Limits are without air contact.

TOTAL Lubricants USA Southwest

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TOTAL Lubricants USA with a policy of continuous improvement, reserves the right to change specifications as our technology progresses. We are not responsible for the misuse and/or misapplication of our products. MSDS are found at on our web site.