



OPTIMUM
LUBRICANTS LIMITED

ISO 9001:2015 CERTIFIED



PRODUCT DATA SHEET (PDS)

COMET HEAT TRANSFER OIL S

DESCRIPTION

Comet Heat Transfer Oil S is a high-performance synthetic oil formulated from synthetic base oil and a versatile additive package to provide superior properties for use in closed indirect heating installations. The product resists thermal cracking and chemical oxidation thus a longer service life.

Comet Heat Transfer Oil S is carefully selected to help provide effective heat transfer and maximize system efficiency.

It has good fluidity at low temperatures leading to easier start-up at cold ambient temperatures.

Additionally, it has heat transfer properties such as specific heat and high thermal conductivity that help provide rapid heat dissipation that can lead to increased efficiency of the whole system.

APPLICATIONS

Comet Heat Transfer Oil S is recommended for closed heating and cooling systems in a wide range of processing applications such as chemical processing, heat processing, plastic processing and heat transfer system maintenance.

In closed systems, maximum bulk operating temperature is 300°C with maximum skin temperature of 320°C.

Maximum operating temperatures of the fluid are dependent on the duration of exposure to higher temperatures.

FEATURES & BENEFITS

- Improved oxidation stability of heat transfer and hence extended oil life.
- Maintains viscosity and film thickness at high temperature to help protect the equipment.
- Free from sludge and coke deposits and minimum interference with heat transfer capability and minimized maintenance needs.
- Easy start up due to low temperature fluidity.



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PHYSICAL PROPERTIES

Properties	Method	Unit	Typical Values
Appearance	Visual		Clear & Bright
ISO VG			32
Kinematic Viscosity @ 40 °C	ASTM D 445	Cst	30.2
Kinematic Viscosity @ 100 °C	ASTM D 445	Cst	5.8
Viscosity Index	ASTM D 2270		138
Density @ 15 °C	ASTM D 1298	Kg/l	0.872
Flash point COC	ASTM D 92		216
Pour point	ASTM D 97	°C	-43
Operating temperatures			300-320 °C

HEALTH AND SAFETY

Prolonged and repeated contact with oil may cause skin disorders .Incase of skin contact,wash immediately with soap and water. Do not discharge used oils in to drains or environment. Dispose to authorized used oil collection point.



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