



INDUSTRIAL HTO THERMO



DESCRIPTION

HTO THERMO is a premium quality, low viscosity lubricant intended for use in closed heating systems. It is formulated from highly refined mineral base stocks and special anti-oxidation additives. Due to its high specific heat and heat conductivity coefficients, high heat transfer rates are possible. HTO THERMO has low volatility tendency and a high viscosity index that enable long service life without deposits formation or viscosity increases.

APPLICATIONS

HTO is intended for use in indirect closed heating or cooling systems of any kind for industrial application (e.g. process industry, chemical plants, textile production units, etc.) where the bulk oil temperature can range between -10°C and 320°C. It can be also used for steel quenching processes. It is recommended that the lubricant's condition is being monitored every 8 months.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
High resistance to thermal cracking and chemical oxidation.	Improved cleanliness of the system; retention of system operation efficiency.
High specific heat and thermal conductivity.	Enable high heat transfer rates.
Low viscosity.	Easy starting in cold conditions.
Protection against rust and oxidation.	The system remains in excellent condition after many hours of operation; reduced repair and maintenance costs.
Excellent demulsibility properties; improved filterability.	Long service life.

PHYSICAL-CHEMICAL CHARACTERISTICS

HTO THERMO	METHOD	
Density at 15°C, g/cm ³	ASTM D1298	0,8540
Viscosity, Kinematic (cSt) 40°C	ASTM D445	34,9
Viscosity, Kinematic (cSt) 100°C	ASTM D445	5,7
Viscosity index	ASTM D2270	102
Flash point, COC, °C	ASTM D92	212
TAN, mgKOH/gr	ASTM D974	0,03
Self ignition point, °C	DIN 51794	356
Pour point, °C	ASTM D97	-15

The above mentioned characteristics represent mean values.

SPECIFICATIONS

ISO 6743-12