



## PRODUCT DATA SHEET

### EKO THERMAL Heat transfer oil

#### DESCRIPTION

EKO THERMAL is a heat transfer mineral oil made from high-stability base oils and a special additive package that enhances the lubricant's resistance to oxidation and to thermal decomposition.

#### SPECIFICATIONS

ISO 6743-12 Family Q.

#### APPLICATIONS

- It is suitable for closed systems where temperature does not exceed 315°C.
- Can also be used in open systems where average temperature does not exceed 180°C.
- It is suitable for rapid cooling of metals (quenching oil) in heat-treating applications.

#### ADVANTAGES

- EKO THERMAL's low vapour pressure eliminates the "vapour barrier" in the system, reduces the chances of pump cavitation, prevents high pressure in closed systems and minimizes exhaust losses in open systems.
- The special additives it contains provide excellent resistance to oxidation and thermal decomposition, resulting in increased oil lifespan and improved heat transfer characteristics.
- The low viscosity of EKO THERMAL allows excellent fluidity, and heat transfer over a wide range of temperatures.
- Compatible with other similar heat transfer oils.



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### TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO THERMAL
Density, 15°C	ASTM D4052	g/ml	0.879
Kinematic Viscosity, 40°C	ASTM D445	cSt	32
Kinematic Viscosity, 100°C	ASTM D445	cSt	5.5
Viscosity Index (VI)	ASTM D2270	-	105
Pour Point	ASTM D5950	°C	-15
Flash Point, COC	ASTM D92	°C	226
Autoignition Temperature	DIN 51794	°C	320

### HEALTH AND SAFETY

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze fluids and water, to allow for proper handling.

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This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511.  
Advice on safe handling is provided in the Safety Data Sheet.