



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 at 15°C	ASTM D 4052	g/ml	0.879
Kinematic viscosity at 100°C	ASTM D 445	cSt	5.5
Kinematic viscosity at 40°C	ASTM D 445	cSt	32
Viscosity Index (VI)	ASTM D 2270	-	105
Pour Point	ASTM D 5950	°C	-15
Flash Point	ASTM D 92	°C	226

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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