



# MAKER HELEN

## Description

Mineral oils obtained from a mixture of paraffinic and synthetic bases designed for lubricating steam engine cylinders. Capable of maintaining a constant and highly stable lubricant film between metal parts in contact with each other, and avoiding steam leaks through valves, pistons or gaskets.

They are used, in order of increasing viscosity, for saturated steam, re-heated steam and steam with a high degree of re-heating

Valid for general greasing, low loaded gears and other mechanical elements where high temperature conditions may occur.

They can be used as heat transfer fluids in the case of open-air thermal circuits.

## Properties

- Excellent slipperiness.
- High flash point.
- Minimum losses due to volatility.
- Low level of soot.

## Quality levels, approvals and recommendations

- 6743/12 - Q (ISO 1000, ISO 460)
- DIN: 51510 – ZA (ISO 460)
- DIN: 51510 – ZB (ISO 1000)
- ISO: 6743/6-CKB (ISO 1000, ISO 460)

## Technical specifications

	UNIT	METHOD	VALUE	
ISO Viscosity Grade			460	1.000
Viscosity at 100 °C	cSt	ASTM D445	30.5	50.5
Viscosity at 40 °C	cSt	ASTM D445	460	1.000
Viscosity index	-	ASTM D2270	95	95
Density at 15 °C	g/cm <sup>3</sup>	ASTM D4052	0.902	0.902
Flash point, open cup	°C	ASTM D92	265	270
Pour point	°C	ASTM D97	-9	-9
TAN	mg KOH/g	ASTM D664	0.2	0.2
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1b	1b

The above mentioned characteristics are typical values and should not be considered product specifications.