

# Gencyl 460

*Steam Cylinder and Worm Gear Oil*

## Description

Gencyl 460 is a compounded high quality steam cylinder oil possessing excellent lubricating properties and has effective resistance to thermal degradation. Gencyl 460 has the ability to resist the washing effect of water and maintain good lubrication and sealing films in steam cylinders. The compounding also enhances the load carrying capabilities of the oil.

## Application

Gencyl 460 is recommended where heavy loads, slow speeds and high temperatures demand a high viscosity lubricant in bearings and enclosed gear sets. It is recommended for steam engine applications where the saturated and superheated steam is heated to below 260 °C. Gencyl 460 is also the prime recommendation for worm gearboxes where its excellent lubricity provides protection against wear. Gencyl 460 meets the requirements of David Brown grade 7 and Crofts grade G and is generally recommended for rubbing speeds between 1 and 2,5 m/s. Gencyl 460 can be applied by both oil dose cups and force feed mechanical lubricating devices.

## Benefits

- Excellent lubricity.
- Good oxidation stability.
- Resistance to deposit formation.
- Good load carrying capabilities.
- Reduced wear under boundary lubrication conditions.

## Typical Physical Characteristics

Gencyl 460	
Viscosity, cSt @ 40 °C	460
Viscosity, cSt @ 100 °C	32
Viscosity Index	101
Flash Point, °C, min.	282
Pour Point, °C, max.	-6
Fixed Oil, %	5,0
Colour, Visual	Green
Density @ 20 °C, kg/l	0,909

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*Due to continual product research and development, the information contained herein is subject to change without notification. Refer to the Material Safety Data Sheet (MSDS) for information on the safe handling and use of this product.*

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