

# Product Data Sheet

## Mobil SHC PM 220 Synthetic Circulation Oil for Paper Mill Lubrication

### Product Description

Mobil SHC PM 220 is a premium quality circulation oil based on Mobil's patented synthesised hydrocarbon technology, fortified by a stabilised additive package which gives protection against rust, corrosion and wear, also providing enhanced thermal and oxidation stability and filtration efficiency.

### Benefits

Mobil SHC PM 220 offers the following benefits:

- Possessing a naturally high Viscosity Index, providing both good low temperature start-up and high temperature viscosity control
- Use of synthetic base stock allows increase in steam pressures and temperatures, with resultant increased throughput
- Low traction co-efficient and high Viscosity Index reduces power consumption and component operating temperature
- Extended equipment and filter life
- Extended lubricant drain life

### Special Features of SHC PM 220

- Extremely high level of chemical and thermal stability extends service life
- Inherent high Viscosity Index gives wide range of operational temperatures during whole service life
- Rapid and complete separation from water
- Excellent air release properties

### Applications

Mobil SHC PM 220 is specifically designed to meet the conditions experienced in industrial paper making circulation systems, which lubricate gears and bearings over the widest range of operating temperatures.

It is particularly effective at high operating temperatures, giving long filter life due to lower oxidation. The use of conventional mineral oil based lubricants would lead to increased maintenance costs under high temperature conditions.

### Properties

Mobil SHC PM 220 is based on Mobil's stabilised additive technology and blends of polyalphaolefins and alkylaromatic base stocks, which with a naturally high Viscosity Index, ensures minimum variation of film thickness at increased temperatures and loads.

The key development objectives for synthetic paper mill oils were to combine the excellent keep-clean properties and rust protection needed in circulation systems along with the greatly increased high temperature performance capability of polyalphaolefin base stocks.

This objective has now been achieved:

Mobil SHC PM 220 offers a unique balance of properties meeting the most stringent lubrication requirements of modern paper machines.

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Product Characteristics

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### Mobil SHC PM 220

ISO Viscosity Grade	220
Viscosity, cSt at 40°C	231
Viscosity, cSt at 100°C	25.1
Viscosity Index	138
Pour Point, °C	-39
Flash Point, °C	228

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Due to continual product research and development, the information contained herein is subject to change without notice

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