# Mobil Vacuum™ Pump Oil 100

Mobil Industrial , Canada

Pump Oil

## Product Description

Mobil Vacuum Pump Oil 100 is a premium lubricant, blended from specific high quality white oil with low volatility characteristics, for the lubrication of vacuum pumps.

Mobil Vacuum Pump Oil 100 has a high degree of chemical stability enabling it to resist oxidation and the subsequent formation of sludge and deposits, an essential characteristic in all cases where continuous service in involved. This enables the oil to retain its original properties such as viscosity and demulsibility and so prolong oil service life.

Water vapour is a common contaminant in vacuum systems and tends to condense in pumps, oils separators and reservoirs. Mobil Vacuum Pump Oil 100 has good demulsibility to separate readily from water. This aids water removal and prevents its return to metal surfaces to cause rust and corrosion.

## Features and Benefits

Mobil Vacuum Pump Oil 100 offers the following benefits:

- Low volatility characteristics
- Good air release properties to provide efficient pump operation
- Good demulsibility to separate quickly from water and resist emulsion formation
- Good wear protection under start-up and boundary conditions
- Long service life due to high level of chemical and thermal stability and freedom from deposit formation

## Applications

Mobil Vacuum Pump Oil 100 is recommended for the lubrication of vacuum pumps and is suitable for applications involving absolute pressures from 50 microns of mercury down to the highest vacua achieved by commercially available vacuum pumps.

It is also suitable for use in pump bearings and sealing glands.

## Properties and Specifications

| Property | |
|---|---|
| Grade | ISO 100 |
| Density @ 15 C, kg/m3, ASTM D4052 | 874 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 270 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 100 |
| Pour Point, °C, ASTM D97 | -9 |

## Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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**Imperial Oil**

Petroleum and Chemicals Division
Lubricants and Specialties
240 Fourth Ave SW
C. P. 2480, Station M
Calgary AB T2P 3 M 9

1-800-268-3183

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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