



**Mobilfluid 316M**  
Mobil Commercial Vehicle Lube , France  
High Performance Hydraulic Oil

Product Description

Mobilfluid 316M is a high performance hydraulic oil formulated from carefully selected base oils and a balanced additive system. It is designed to meet requirements of wide range heavy-duty hydraulic and hydrostatic equipment used in on and off-highway applications. It has typical kinematic viscosity of 53.1cSt at 40C, which corresponds to an intermediate grade between the viscosity grades ISO VG 46 and ISO VG 68. It provides possibility to use single hydraulic fluid in systems requiring those two most common viscosity grades.

Features and Benefits

Mobilfluid 316M delivers excellent performance in a wide range of hydraulic systems and components using various multi-metal designs. The product also provides effective low and high ambient temperature performance due to very high viscosity index. Blue color helps to avoid accidental mix with other type of oils. The key benefits include:

Features	Advantages and Potential Benefits
Good protection against oil thickening, high temperature deposits and oil degradation	Clean hydraulic systems Helps to protects against vane sticking Long service performance
Good anti-wear protection	Helps to reduce wear and to extend equipment life
Wide temperature range performance	Helps to reduce wear at cold start-up temperatures Effective lubrication film strength at high temperatures
Protects against rust and corrosion	Long equipment life and low maintenance costs

Applications

- Wide range of hydraulic and hydrostatic systems where ISO VG 46 or ISO VG 68 are suitable
- Hydraulic systems where wide ambient temperatures are encountered
- On and off-highway industries including: trucking, construction, mining, quarrying, and agriculture
- Mobilfluid 316M is suitable (\*) for use in many hydraulic pumps in:
  - ▶ Poclain Hydraulics
  - ▶ Mecalac
  - ▶ Kubota
  - ▶ Sambron
  - ▶ Manitou
  - ▶ Linde Hydraulics

(\*) Please always consult manual for OEM recommendations

Typical Properties

Mobilfluid 316M	
Viscosity, ASTM D 445	
cSt @ 40°C	53.1
cSt @ 100°C	10.0
Viscosity Index, ASTM D 2270	179

Mobilfluid 316M	
Pour Point, °C, ASTM D 97	-42
Flash Point, °C, ASTM D 92	218
Density @ 15°C kg/l, ASTM D 4052	0.877

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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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](http://www.exxonmobil.com)

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