



## Mobilfluid 316M

Mobil Commercial Vehicle Lube , Austria

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<br>Helps to protect against vane sticking<br>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<br>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  |

|                                  |       |
|----------------------------------|-------|
| <b>Mobilfluid 316M</b>           |       |
| 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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