



Mobilfluid™ 422

Mobil Commercial Vehicle Lube , Romania

Extra High Performance Multipurpose Tractor Fluid

Product Description

Mobilfluid 422 is an extra high performance, multipurpose tractor lubricant engineered to meet or exceed transmission and hydraulic fluid requirements. This product is formulated for the service top-up and refill of transmissions, final drives, and hydraulic systems of farm and industrial tractors and other mobile equipment and especially those with oil-immersed brake systems. This product is designed with special frictional characteristics to prevent squawk and chatter in wet brake systems and to deliver consistent braking performance. Mobilfluid 422 combines high performance base oils and an advanced additive package to deliver the varied lubricant performance properties required by these heavy-duty gear transmissions and heavily loaded final drives.

Features and Benefits

Heavy-duty agricultural and other mobile equipment load, speed, and temperatures have increased the requirements of power transmission fluids to deliver higher performance, increased productivity, and reduced operating costs. Friction control, wear protection, viscosity stability, rust and corrosion protection, and pumpability are features that must be properly balanced to provide extended clutch life, maximum braking efficiency, and reliable operation, even on uneven terrain and over a wide range of ambient temperatures. Mobilfluid 422 delivers outstanding performance in mobile equipment power transmissions, drive axles, clutches, Power Take-Offs (PTO) and hydraulic systems. The key benefits include:

| Features | Advantages and Potential Benefits |
|--|--|
| Enhanced frictional properties especially for immersed disc brakes | Maximum braking efficiency with reduced squawk and brake chatter. Optimised clutch and PTO performance |
| Compatible with clutch materials and elastomers | Longer clutch life, reduced leakage, and reliable response |
| High viscosity index with improved shear stability | All-season performance with consistent hydraulic operation |
| Excellent protection against rust, corrosion, and yellow metal etching | Protects equipment in wet or humid environments and prevents premature wear |
| Excellent low temperature properties | Insures prompt fluid circulation and responsive control under all conditions even in cold weather applications |
| Strong anti-wear and extreme pressure properties | Reduces wear, extends equipment life, and reduces maintenance costs |
| High thermal and oxidation stability | Reduces deposits and sludge to prevent clogged oil ways and impaired hydraulic actuation |
| Good filterability | Keeps systems clean and operating smoothly |

Applications

Recommended by ExxonMobil for use in:

- Heavy-duty transmissions, differentials, final drives, hydraulic systems, power steering systems, wet brakes, PTOs and hydrostatic drives used in agricultural, contractor, and industrial applications
- Top-up and refill of systems
- Sintered bronze oil-immersed disc brakes
- Do not use in passenger car automatic transmissions
- Applications requiring API GL-4 or SAE 80 Grade lubricants in all gear applications except hypoid gear designs

Specifications and Approvals

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| This product is recommended by ExxonMobil for use in applications requiring: |
| API GL-4 |
| MASSEY FERGUSON CMS M1135 |

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| This product meets or exceeds the requirements of the following industry and builder specifications: |
| Ford ESEN-M2C86-B |

Properties and Specifications

| Property | |
|--|-------|
| Brookfield Viscosity @ -18 C, mPa.s, ASTM D2983 | 9000 |
| Density @ 15 C, kg/l, ASTM D4052 | 0.894 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 226 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 10.8 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 85 |
| Pour Point, °C, ASTM D97 | -30 |
| Viscosity Index, ASTM D2270 | 110 |

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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09-2020

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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