Mobilfluid™ 422

Mobil Commercial Vehicle Lube , Sweden

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

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

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, mm2/s, ASTM D445	10.8
Kinematic Viscosity @ 40 C, mm2/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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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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