



Mobilfluid™ 424

Mobil Commercial Vehicle Lube , Papua New Guinea

Multipurpose Tractor Lubricant

Product Description

Mobilfluid 424 is an extra high performance multipurpose tractor lubricant engineered to meet or exceed transmission and hydraulic fluid requirements. The advanced technology in Mobilfluid 424 is designed to optimise the performance of agricultural and commercial tractors operating in a wide range of environments and conditions. Mobilfluid 424 combines select base oils and an advanced additive package to deliver the varied lubricant performance properties required in severe duty applications of agricultural and construction equipment drive trains. It is particularly well suited for reducing wet brake and Power Take-Off (PTO) chatter.

Features and Benefits

Next generation technology has vastly improved the performance capabilities of heavy-duty equipment in terms of load, speed, control, and reliability through innovative power train designs. These designs have markedly changed and increased the requirements of power train fluids to deliver higher levels of performance and productivity while reducing operating costs. Friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and pumpability are features that must be optimally balanced to provide extended clutch life, maximum drawbar loading, and maintain operations on uneven terrain over a wide range of ambient temperatures. Mobilfluid 424 delivers exceptional performance in today's power train transmissions, drive axles, clutches, PTOs and hydraulic systems. The key benefits include:

Features	Advantages and Potential Benefits
Enhanced frictional properties.	Optimised clutch and PTO performance. Improved wet brake and PTO chatter control.
Compatible with latest clutch materials and elastomers.	Longer clutch life and reduced leakage.
High viscosity index and shear stability.	Consistent operating response.
Excellent protection against rust, corrosion and yellow metal etching.	Protects equipment in wet or humid environments and prevents premature wear.
Excellent low temperature properties.	Responsive operation and effective lubrication in cold weather applications.
Strong anti-wear and extreme pressure properties.	Reduces wear, extends equipment life, and reduces maintenance costs.
Excellent thermal and oxidation stability.	Reduces deposits, extends seal life, and increases service life of equipment and lubricant.
Multipurpose capability.	Simplifies inventory and reduces misapplication problems.
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.
- Off-highway industries including: agriculture, construction, and quarrying.
- Top-up and refill of systems.

- Commercial transmission applications requiring Type A (Suffix A), Dexron and Type F fluids. Do not use in passenger car automatic transmissions.
- Applications requiring API GL-4 or SAE 80W grade lubricants in all gear applications except hypoid gear designs.
- Outstanding replacement for engine oils recommended for hydraulic and transmission systems.

Specifications and Approvals

This product has the following approvals:
VOLVO WB-101
ZF TE-ML 05F
ZF TE-ML 17E

This product is recommended for use in applications requiring:
API GL-4
Caterpillar TO-2
CNH MAT 3505
CNH MAT 3525
Denison UTTO/THF
FORD ESN-M2C134-D
FORDNH FNHA-2-C-201.00
JICASE MS 1204
JICASE MS 1205
JICASE MS 1206
JICASE MS 1207
JICASE MS 1209
MASSEY FERGUSON CMS M1135
MASSEY FERGUSON CMS M1141
New Holland WB NWH 410B
Allison C-4 (Agriculture Applications Only)
AGCO Powerfluid 821 XL

This product meets or exceeds the requirements of:
ASTM D6973 (Eaton 35VQ) vane pump test

This product meets or exceeds the requirements of:

Caterpillar Multipurpose Tractor Oil (MTO)

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Properties and Specifications

Property	
Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445	9.3
Flash Point, Cleveland Open Cup, °C, ASTM D92	198
Viscosity Index, ASTM D2270	145
Brookfield Viscosity @ -20 C, mPa.s, ASTM D2983	4300
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	55
Density @ 15.6 C, kg/l, ASTM D4052	0.88
Pour Point, °C, ASTM D97	-42

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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