Mobilfluid™ 424

Mobil commercial vehicle lubricants · United States

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 optimize 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	Optimized 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
- The following specifications have been deemed obsolete and are superseded by a current original equipment manufacturer's specification, backward compatible to the previous specification: JICASE MS 1205, JICASE MS 1206, JICASE MS 1207, JICASE MS 1209, FORDNH FNHA-2-C-201.00, and FORD ESN-M2C134-D

Specifications and Approvals

This product has the following approvals:
VOLVO WB-101
ZF TE-ML 03E
ZF TE-ML 05F
ZF TE-ML 17E
ZF TE-ML 21F

This product is recommended for use in applications requiring:
AGCO Powerfluid 821 XL
Allison C-4
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
JOHN DEERE JDM J20C
MASSEY FERGUSON CMS M1141
New Holland WB NWH 410B
VOLVO BM

This product meets or exceeds the requirements of:
ASTM D6973 (Eaton 35VQ) vane pump test
Caterpillar Multipurpose Tractor Oil (MTO)
KUBOTA UDT

Properties and Specifications

Property	
Brookfield Viscosity @ -20 C, mPa.s, ASTM D2983	4300
Density @ 15.6 C, kg/l, ASTM D4052	0.88
Flash Point, Cleveland Open Cup, °C, ASTM D92	198
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	9.3
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	55
Pour Point, °C, ASTM D97	-42
Viscosity Index, ASTM D2270	145

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @

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