Mobilfluid™ 428

Mobil Commercial Vehicle Lube , Australia

Modern extra high performance multipurpose tractor oil (UTTO)

Product Description

Mobilfluid 428 is a modern extra high performance multipurpose tractor lubricant engineered to meet or exceed the requirements of most equipment builders for hydraulic and transmission compartments. It is designed to optimize the performance of agricultural and commercial tractors operating in a wide range of environments and conditions. Mobilfluid 428 is recommended to be used in off-highway industries including: agriculture, construction, and quarrying. Its friction characteristics helps reduce wet brake and Power Take-Off (PTO) chatter. This next generation product is formulated from high quality base oils and advanced additive technology to deliver excellent thermal stability combined with high shear stability. Based on the excellent shear stability and air handling, Mobilfluid 428 is suitable for use in conventional CVTs (hydraulic pump plus planetary gear componentry).

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 powertrain designs. These designs have changed and increased the requirements of powertrain 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 428 delivers exceptional performance in today's powertrain transmissions, drive axles, clutches, PTOs and hydraulic systems. The key benefits include:

Features	Advantages and Potential Benefits
Excellent frictional properties Improved wet brake and PTO chatter control	Optimal clutch and PTO performance
Compatible with clutch materials and elastomers	Long clutch life and reduced leakage
High viscosity index and improved 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
Enhanced 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

Specifications and Approvals

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

This product has the following approvals:
ZF TE-ML 05F
ZF TE-ML 06K
ZF TE-ML 17E
ZF TE-ML 21F
MASSEY FERGUSON CMS M1145

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
CNH MAT 3540
Denison UTTO/THF
Ford ESEN-M2C86-B
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 M-1141
MASSEY FERGUSON CMS M1143
New Holland WB NWH 410B
RENAULT AGRICULTURE (M1145)
GEAR OIL HP

This product is recommended for use in applications requiring:
G2-08
KUBOTA UDT

This product meets or exceeds the requirements of:
ASTM D6973 (Eaton 35VQ) vane pump test
JOHN DEERE JDM J20C

Properties and Specifications

Property	
Grade	SAE 10W-30
Viscosity Index, ASTM D2270	141
Brookfield Viscosity @ -20 C, mPa.s, ASTM D2983	3500
Flash Point, °C, ASTM D92	242
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	9.3
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	58
Density @ 15 C, g/ml, ASTM D4052	0.866
Pour Point, °C, ASTM D97	-45

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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