



Mobilfluid 428

Mobil Commercial Vehicle Lube , United Kingdom

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 for an SAE 10W-30 viscosity grade. 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<br>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                              |

**This product has the following approvals:**

ZF TE-ML 05F

ZF TE-ML 06K

ZF TE-ML 17E

ZF TE-ML 21F

VOLVO WB-101

GIMA MASSEY FERGUSON CMS M1145

**This product is recommended for use in applications requiring:**

AGCO Powerfluid 821 XL

Allison C-4

API GL-4

CNH MAT 3505

CNH MAT 3525

CNH MAT 3540

FORDNH FNHA-2-C-201.00

Ford ESEN-M2C86-B

FORD ESN-M2C134-D

JICASE MS 1204

JICASE MS 1205

JICASE MS 1206

JICASE MS 1207

JICASE MS 1209

MASSEY FERGUSON CMS M1143

MASSEY FERGUSON CMS M1141

MASSEY FERGUSON CMS M1135

NEW HOLLAND WB NWH 410B

Denison UTTO/THF

VALTRA G2-08

CLAAS RENAULT AGRICULTURE (M1145)

**This product is recommended for use in applications requiring:**

JCB GEAR OIL HP

KUBOTA UDT

Caterpillar TO-2

**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 |
| Density @ 15 C, g/ml, ASTM D4052                          | 0.866      |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445 | 59         |
| Viscosity Index, ASTM D2270                               | 141        |
| Flash Point, °C, ASTM D92                                 | 243        |
| Pour Point, °C, ASTM D97                                  | -48        |

**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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You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: <https://www.mobil.co.uk/en-gb/contact-us-technical>

44 (0)1372 222000

<http://www.exxonmobil.com>

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](http://www.exxonmobil.com)

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