

STERN Premium Tractor Hydraulic Fluid (UTF) M-STERN

LUBRICANTS

STERN Premium Tractor Hydraulic Fluid M-Series is an extra high-performance multipurpose tractor lubricant engineered to meet or exceed transmission and hydraulic fluid requirements. The advanced technology in premium tractor hydraulic fluid is designed to optimize the performance of agricultural and commercial tractors operating in a wide range of environments and conditions. Premium tractor hydraulic fluid 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.

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. Premium tractor hydraulic fluid delivers exceptional performance in today's power train transmissions, drive axles, clutches, PTOs and hydraulic systems.

APPLICATIONS

Recommended by Stern 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:

- VOLVOWB-101
- ZFTE-ML 03E, 05F, 17E

This product is recommended for use in applications requiring:

- Allison C-4
- APIGL-4
- Caterpillar TO-2
- CNHMAT 3505, 3525
- DENISONUTTO/THF
- FORDESN-M2C134-D
- FORDNHFNHA-2-C-201.00
- JICASEMS 1204, 1205, 1206, 1207, 1209
- John Deere JDM J20D
- Massey Ferguson CMS M1135 and M1141
- AGCOPowerfluid 821 XL

This product meets or exceeds the requirements of:

- ASTM D6973 (Eaton 35VQ) vane pump test
- KUBOTAUDT
- Caterpillar Multipurpose Tractor Oil (MTO)

TYPICAL PROPERTIES

| <i>Premium Tractor Hydraulic Fluid</i> | <i>Typical Properties</i> |
|---|----------------------------------|
| <i>Kinematic Viscosity at 40°C</i> | 9.3 |
| <i>Kinematic Viscosity at 100°C</i> | 55 |
| <i>Viscosity Index</i> | 145 |
| <i>Flash Point, °C</i> | 198 |
| <i>Pour Point, °C</i> | -42 |
| <i>Density at 15.6 °C, kg/l</i> | 0.88 |
| <i>Brookfield Viscosity @ -20 °C, mPa.s</i> | 4300 |