

1000 THF

Multifunctional Tractor Hydraulic Fluid



Product description

1000 THF is a high quality, multifunctional tractor hydraulic fluid, specially formulated for use in transmissions, final drives, wet brakes, and hydraulic systems of tractors and other equipment employing a common fluid reservoir.

Customer benefits & product features

Customer benefits

- **Low operating costs**
1000 THF meets or exceeds fluid performance requirements of most OEM's, maintaining efficiency and reliability while minimizing overall operating costs.
- **Long equipment life**
Special additives protect metal surfaces against scuffing and wear even under severe operating conditions leading to maximum equipment life.
- **Low inventory cost**
One fluid does the job of a full range of tractor hydraulic systems. Can replace multiple products and free up shelf space too!
- **Minimizing weather and storage concerns**
Protects against rust and corrosion of highly finished precision parts when operating in humid conditions and during seasonal shutdown periods.
- **Minimal downtime**
Good compatibility with seals, O-rings, and packing materials maintains their good condition and keeps leakage at a minimum.
- **Smooth operation**
Formulated to suppress brake "chatter" and transmission "slip" for quiet and efficient action of brakes and transmission.
- **Reliable operation**
Formulation helps keep metal parts clean and free of varnish and sludge deposits that could result in premature breakdown.

Product features

- 1000 THF is formulated with highly refined base stocks, a viscosity index improver, oxidation and corrosion inhibitors, antiwear and film strength additives, an antifoaming agent, and a pour point depressant.

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Customer benefits & product features *cont...*

- 1000 THF is formulated to suppress brake “chatter” and excessive brake facing wear. It offers smooth operation of clutch packs and wet brakes, provides excellent shifting action, provides exceptional rust and corrosion protection for vital parts, and minimizes leakage because of good compatibility with seals, O-rings, and packing materials.
- 1000 THF helps prevent sludge and varnish formation, protects metal surfaces against scuffing and wear, and provides outstanding lubrication for spur, helical, and spiral bevel final drive gears.

Approvals, performance and recommendations

1000 THF is approved for:

- Volvo 97303 (WB 101, approval number 97303:004)

1000 THF meets Hitachi’s requirements for aftermarket use in Rigid Dump Trucks (Model Code: EH3500 AC-3, EH4000 AC-3 & EH5000AC-3).

1000 THF is recommended for use:

- as a multifunctional fluid in many types of farm tractors and equipment
- in non-hypoid API GL-4 applications
- Hitachi mid-sized wheel loader axle applications, transfer case and hydraulics
- ABB Dodge - controlled startup transmissions
- In applications which call for the following OEM lubricant specifications:
 - AGCO — improved power fluid 821XL
 - Case Corporation — JIC-143, JIC-145, MS 1206, MS 1207, MS 1209, MS 1210 (TCH)
 - Case New Holland — MAT 3525, MAT 3505
 - Case New Holland MAT 3540 except for the following tractors build after 2012: Case IH Steiger, Quadtrac, Magnum, and New Holland T8 and T9 series
 - Ford ESEN-M2C86-B
 - Ford New Holland — ESN-M2C134-D, FNHA 2 C 201

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Approvals, performance and recommendations *cont...*

- Caterpillar TO-2
- John Deere — J20C
- Oliver — Q-1705
- White Farm Equipment — Q-1826
- Massey Ferguson — M1135, M1141, M1143, M1145
- Minneapolis-Moline — Q-1766, Q-1722, Q-1766B
- International Harvester B6
- Kubota UDT
- Renk Doromat — 874A and 874B
- ZF TE-ML 03E, 05F, 06K, 17E, 21F

1000 THF is also an excellent hydraulic fluid for many types of hydraulic systems requiring an antiwear hydraulic fluid in this viscosity range. It passes the High Pressure Vane Pump Test, ASTM D2882, with less than 15 mg steel weight loss.

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Typical test data

1000 THF

| | |
|-------------------------------------|--------|
| Product Code | 510082 |
| Pour Point, °C | -42 |
| Viscosity, Brookfield cP @ -35°C | 40,000 |
| Viscosity, Kinematic cSt @ 40°C | 58.4 |
| cSt @ 100°C | 9.5 |
| Viscosity Index | 145 |
| Flash Point, °C | 235 |
| API Gravity | 29.9 |
| Color | Orange |

Minor variations in product typical test data are to be expected in normal manufacturing

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ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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