



CHEVRON 1000 THF ISOCLEAN® Certified Lubricant

PRODUCT DESCRIPTION

Chevron 1000 THF ISOCLEAN® Certified Lubricant 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. Chevron ISOCLEAN Certified Lubricants have been certified to meet specified ISO Cleanliness standards at point of delivery using industry leading filtration and testing technology. ISOCLEAN Certified products are the first step for contamination control and maximizing component life.



CUSTOMER BENEFITS

Chevron 1000 THF ISOCLEAN Certified Lubricant delivers value through:

- **Ready to use** — Enables users to meet stringent original equipment manufacturers' cleanliness standards for fill lubricants.
- **Flexibility** — ISO Cleanliness targets can be customized to fit your business application needs.
- **Peace of mind** — Each delivery of Chevron ISOCLEAN Certified Lubricant includes an ISOCLEAN Certificate of Analysis.
- **OE fluid cleanliness requirements** — Customized to meet specific equipment manufacturers' fluid cleanliness requirements.
- **Low operating costs** — Chevron 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.
- **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.
- **Fast service time** — Orange color helps identify origin point of incidental leaks for easy detection and quick remedy.

FEATURES

Chevron 1000 THF ISOCLEAN Certified Lubricant 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.

It 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.

Its distinctive orange color allows for easy product identification and leak detection.

Chevron 1000 THF ISOCLEAN Certified Lubricant meets the needs of modern tractors for a multi-functional lubricant. It is designed for many uses, such as lubrication of the transmission and final drive, and

Product(s) manufactured in the USA, Colombia and El Salvador.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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TTF-3 ISOCLEAN

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serves as a hydraulic fluid to operate power steering units, brakes, implements, and attachments.

Chevron 1000 THF ISOCLEAN® Certified Lubricant 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.

It 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.

Chevron 1000 THF ISOCLEAN Certified Lubricant is compatible with equipment manufacturer’s proprietary fluids and other fluids of this type.

APPLICATIONS

Chevron 1000 THF ISOCLEAN Certified Lubricant meets requirements by Hitachi for aftermarket use and is recommended for use in its Rigid Dump Trucks (model codes EH3500AC-3, EH4000AC-3 & EH5000AC-3).

It is also recommended for use:

- in ABB Dodge controlled start-up transmissions
- in non-hypoid API GL-4 applications
- in Hitachi mid-sized wheel loader axle applications, transfer case and hydraulics
- as a multifunctional fluid in many types of farm tractors and equipment
- in applications which call for the following OEM lubricant specifications:
 - **AGCO** — Power Fluid 821XL
 - **Case Corporation** — JIC-143, JIC-145, MS 1206, MS 1207, MS 1209, MS 1210 (TCH)
 - **Case New Holland** — MAT 3505, MAT 3525, MAT 3540*
 - **Caterpillar** TO-2¹
 - **Ford New Holland** — ESN-M2C134-D, FNHA 2 C 201.00
 - **International Harvester** B6
 - **John Deere** — JDM J20C

¹ Caution: Some of the specifications are no longer deemed active by the original equipment manufacturer. Significant harm to the transmission, hydraulic system, seals, final drive or axles is possible when using this product in applications in which it is not intended.

- **Kubota** UDT
- **Massey Ferguson** — M1135¹, M1141, M1143, M1145
- **Minneapolis-Moline** — Q-1722¹, Q-1766¹, Q-1766B¹
- **Oliver** — Q-1705¹
- **Renk Doromat** — 874A¹ and 874B¹
- **Volvo** 97303 (WB 101)
- **White Farm Equipment** — Q-1826¹
- **ZF** — TE-ML 03E, TE-ML 05F, TE-ML 17E, TE-ML 21F

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

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Consult with your Chevron Lubricant Representative or Chevron ISOCLEAN Certified Lubricants Marketer to set specific ISO Cleanliness targets for your business application.

*Suitable for use for tractors requiring Case New Holland MAT 3540, except for the following tractors built after 2012: Case IH Steiger, Quadtrac, Magnum, and New Holland T8 and T9 series.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

TYPICAL TEST DATA

<i>Product Number</i>		<i>278021</i>
<i>SDS Number</i> <i>USA</i> <i>Canada</i> <i>Mexico</i> <i>Colombia</i> <i>El Salvador</i>		<i>7648</i> <i>7648CAN</i> <i>7648MEX</i> <i>33702</i> <i>33703</i>
API Gravity	ASTM D1298	30.5
Density @ 15°C, g/L	ASTM D4052	0.8656
Viscosity Index	ASTM D2270	145
Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445	58.4 9.5
Viscosity, Saybolt SUS at 100°F SUS at 210°F	ASTM D2161	271 57.5
Viscosity, Brookfield cP at -35°C	ASTM D2983	40,000
Flash Point, °C(°F)	ASTM D92	235(455)
Pour Point, °C(°F)	ASTM D97	-44(-47)
Color	Visual	Orange

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

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