



Product Data Sheet

TGH Synthetic - Tractor Fluid

Full Synthetic Transmission, Gear, and Hydraulic Fluid

Description

Nemco TGH Synthetic Fluid is a multifunctional fluid formulated specifically for tractors using a centralized system to lubricate the transmission, differential, hubs, wet brake, power steering and hydraulic systems. This fluid is formulated with a special additive system to provide anti-wear properties, the ability to carry heavy differential gear loads, greater resistance to oxidation stress from high temperatures compared to conventional tractor fluids, and the special balance of frictional properties required to prevent wet brake chatter and give smooth operation.

Nemco TGH Synthetic viscosity characteristics make it the ideal fluid for use on a year-round basis; it has exceptional cold flow performance for those times when cold temperature start-up and operation are essential, yet retains its viscosity well for protection during the high heat of summer months.

Advantages

- 🔥 Ideal for year-round use
- 🔥 Excellent performance at sub-zero temperatures
- 🔥 Provides chatter-free operation of wet brakes
- 🔥 Protects equipment from wear due to high loads
- 🔥 Keeps system parts clean and varnish free

Applications

Nemco TGH Synthetic tractor fluid is recommended for use in all brands of tractor equipment with a common sump for transmissions, hydraulics, differential and wet brakes. Provides superior performance in agriculture, off-highway, and construction equipment calling for J20-C/D, THF or UTTO type fluid.

Meet or exceed the following specification standards and performance requirements:

- | | |
|--------------------|---|
| • AGCO | Power Fluid 821, 821XL |
| • ALLISON | C-4 |
| • CASE-IH | Hy-Tran Ultracation, Hy-Tran Ultra, Hy-Tran Plus, Hy-Tran, MAT-3540, MAT-3505, MS-1210, MS-1209, MS-1207, MS-1206, JIC 144 & 145, Power PRF |
| • CATEPILLAR | MTO |
| • DEUTZ-ALLIS | Power Fluid 821 |
| • FORD NEW HOLLAND | Mastertran Ultracation, MAT-3525, M2C-134A,B,C,&D, M2C-41B, M2C-53A &B, M2C-86B |
| • HESSTON/FIAT | Oliofiat Tutela Multi-F |
| • JOHN DEERE | Hy-Gard; JD 303, J20A&C, J14B&C |
| • KUBOTA | Kubota Transdraulic Fluid, UDT Fluid, Super UDT Fluid |
| • MAHINDRA | |
| • MASSEY FERGUSON | M-1145, 1143, Permatran III, MF 1127A&B, MF 1129A |
| • STEIGER | Hydraulic/Transmission Fluid 17001 |
| • VERSATILE | HyGear Fluid, Specification 23M |
| • WHITE/OLIVER/MM | Ag ONE Universal Fluid, Universal Fluid, Type 55, Q-1826 HTF |

Typical physical characteristics – Nemco Tractor Fluids

Properties	Method	Performance		
		TGH	TGH Arctic	TGH Synthetic
SAE Viscosity Grade		10W-30	5W-20	5W-30
API Category		GL-4	GL-4	GL-4
API Gravity	ASTM D4052	29.0	31.0	n/a
Kinematic Viscosity @40°C mm ² /s	ASTM D445	57.0	34.0	50.0
Kinematic Viscosity @100°C mm ² /s	ASTM D445	9.4	7.2	9.5
Viscosity Index	ASTM D2270	147	183	190
Brookfield Viscosity, cP @ -20C Brookfield Viscosity, cP @ -35C Brookfield Viscosity, cP @ -40C	ASTM D2983	4,920 59,300 -	1,300 - 19,000	3,000 35,000 -
Pour Point, °C (F)	ASTM D97	-40(-40)	-45(-50)	-45(-50)
Flash Point, °C (F)	ASTM D92	218(425)	163(325)	n/a
Colour	Observed	Amber	Amber	Amber

These characteristics are typical of current supply, variations in these characteristics may occur.

Availability and product codes

Pack size	4X4L case	2x10L case	20L pail	205L drum	1,000L tote	Bulk
TGH	HYORZ0005	HYORZ0019	HYORZ0039	HYORZ0104	HYORZ0160	HYORZ0161
TGH Arctic	-	-	HYORZ0041	HYORZ0106	HYORZ0164	HYORZ0164
TGH Synthetic	-	-	HYORZ0071*	HYORZ0138*	HYORZ0154*	HYORZ0154*
Availability	Year round / Contact a Sales Representative*					

Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath, moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at nemco.ca under the Safety Data Sheets. For SDS in French, please contact info@nemco.ca. While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), the SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

Quality

Nemco Resources Ltd works with respected industry suppliers. Nemco is a member of ILMA and the manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO 9001. For questions regarding quality, please contact your local sales representative.