



Product Data Sheet

TGH - Tractor Fluid Universal Transmission, Gear, and Hydraulic Fluid

Description

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

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

Advantages

- 🔥 Ideal for year-round use
- 🔥 Prevents wet brake chatter
- 🔥 Extends life of seals, hydraulic hoses, and other rubber parts
- 🔥 Protects equipment from wear due to high loads
- 🔥 Keeps system parts clean and varnish free

Applications

Nemco TGH is recommended for use in the common transmission, differential and hydraulic oil sump of agricultural tractors, certain makes and models of construction equipment and particular hydraulic systems per the manufacturer's requirements, including:

Meet or exceed the following specification standards and performance requirements:

- | | |
|--------------------|--|
| • AGCO | Power Fluid 821, 821XL |
| • ALLISON | C-3 (not recommended for C-4) |
| • CASE-IH | Hy-Tran Ultra, Hy-Tran Plus, Hy-Tran, MAT-3505, MS-1210, MS-1209, MS-1207, MS-1206, JIC 144 & 145, Powergard PTF |
| • CATEPILLAR | MTO |
| • DEUTZ-ALLIS | Power Fluid 821 |
| • FORD NEW HOLLAND | MAT-3525, M2C134A,B,C,&D, M2C41B, M2C53A&B, M2C86B |
| • HESSTON/FIAT | Oliofiat Tutela Multi-F |
| • JOHN DEERE | Hy-Gard; JD 303, J20A&C, J14B&C |
| • KUBOTA | Transdraulic Fluid, UDT Fluid |
| • MAHINDRA | |
| • MASSEY FERGUSON | Permatran III, MF-1127A/B, MF 1129A |
| • STEIGER | Hydraulic/Transmission Fluid |
| • VERSATILE | HyGear Fluid, Specification 23M |
| • WHITE/OLIVER/MM | Ag ONE Universal Fluid, Universal Fluid, Type 55 |

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.