

## 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.

#### Recommended/Suitable for

- 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 Ultraction, 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 Characteristics - Nemco Tractor Fluids

Properties	Performance				
	Method	TGH	TGH Arctic	TGH Synthetic	TGH Red
API Category	-	GL-4	GL-4	GL-4	GL-4
Oil Type	-	Conventional	Synthetic Blend	Full Synthetic	Conventional
API Gravity	ASTM D4052	29.0	33.1	n/a	29.5
Colour	Observed	Amber	Amber	Amber	Red
Kinematic Vis @40°C mm <sup>2</sup> /s	ASTM D445	59.0	34.0	50.0	60.0
Kinematic Vis @100°C mm <sup>2</sup> /s	ASTM D445	9.4	7.2	9.5	9.5
Viscosity Index	ASTM D2270	141	183	190	140
Brookfield Vis, cP @ -18C Brookfield Vis, cP @ -35C Brookfield Vis, cP @ -40C	ASTM D2983	2,900 60,000 -	1,060 - 18,000	3,000 35,000 -	4,500@-20C
Pour Point, °C (F)	ASTM D97	-39(-38)	-54(-65)	-45(-50)	-40(-40)
Flash Point, °C (F)	ASTM D92	204(400)	191(375)	n/a	n/a

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

## Availability and product codes

Pack size	4x4L case	2x10L case	18.9L pail	20L pail	205L drum	1,000 tote/Bulk
TGH	HYORZ0005	HYORZ0019	n/a	HYORZ0039	HYORZ0104	HYORZ0161
TGH Arctic	n/a	n/a	n/a	HYORZ0041	HYORZ0106	Special Order
TGH Synthetic	n/a	n/a	n/a	HYORZ0071	HYORZ0138	Special Order
TGH Red	n/a	n/a	HYORZ0073	n/a	HYORZ0251	HYORZ0250
Availability	To order, contact us toll free at 855.755.6737 or orderdesk@nemco.ca					

## 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](http://nemco.ca) under 'Safety Data Sheets'. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). This product

is WHMIS 2015 classified. Always take used oil to an authorized collection point. Avoid discharge into drains, soil, or water. As with any lubricant, keep out of reach of children and animals.

## Quality

Nemco Resources Ltd works with respected industry suppliers. The manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your local sales representative.