



## TGH, Tractor TGH, & Arctic TGH Fluid Tractor Fluid & Low Viscosity (Arctic) Tractor Fluid

### DESCRIPTION

Nemco TGH, Tractor TGH, and Arctic TGH (Low Viscosity) Fluids are multifunctional type fluids formulated specifically for tractors using a centralized system to lubricate the transmission, differential, wet brake, power steering and hydraulic systems. Nemco TGH, Tractor TGH, and Arctic TGH Fluids are formulated with high viscosity index base oils and 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. These fluids are designed to provide superior transmission and hydraulic operations at all temperature conditions, while keeping the internal parts clean and prolonging the life of sealing materials.

The viscosity characteristics of Nemco TGH, and Tractor TGH Fluids make them the ideal fluids for use on a year round basis; they have 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. The Arctic TGH (low viscosity) Fluid provides outstanding cold flow performance for those times when cold temperature start-up and operation are essential.

### Features & Benefits

- Recommended for equipment with common transmission, hydraulic, final drive and wet brake sump where intermixing may occur due to implement attachment
- Outstanding frictional properties provide chatter free operation of wet brakes
- Protects gears, pumps and other parts from wear due to high loads
- Keeps all system parts clean and varnish free for smooth operation

### Applications

Nemco TGH and Tractor TGH Fluids are 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:

AGCO / Deutz-Allis / Allis	Power Fluid 821, 821XL, 257541, 272843, 246634
ALLISON	C-3 or C-4
CNH (CASE-IH, J.I. CASE New Holland Group)	Hy-Tran®, Hy-Tran®Plus, Hy-Tran®Ultra, MS-1207, 1209, 1210, 1206, 1205, or 1204, JIC 143, 144, 145 and 185, Powergard PTF
FORD	M2C134A,B,C,&D, M2C41B, M2C43, M2C48A&B, M2C53A&B, M2C86B&C, M2C92A
HESSTON/FIAT	Olio fiat Tutela Multi-F
JOHN DEERE	Hy-Gard; JD 303; J20A or C; J14B&C, Quatrol
KUBOTA	Kubota Transdraulic Fluid, UDT, Super UDT Fluid
MASSEY FERGUSON	Permatran III, M-1111, M-1127A&B, M1129A&B, M1141, M1143
STEIGER	Hydraulic/Transmission Fluid
VERSATILE	HyGear Fluid, Specification 23M & 24M
WHITE/OLIVER/MM	Ag ONE Universal Fluid, Universal Fluid, Type 55



## Product Data Sheet

**Nemco Arctic TGH (low viscosity) Fluid** is recommended for use in agricultural tractors, construction equipment and some hydraulic systems where the manufacturer recommends a low viscosity tractor fluid, including:

- JOHN DEERE J20B/D (low vis. HyGard)
- VERSATILE HyGear Fluid 24M

### Typical Characteristics – TGH / Tractor TGH Fluid and TGH Arctic Fluid

Test	TGH & Tractor TGH	Arctic TGH
Colour	Amber	Amber
Viscosity cSt at 40°C cSt at 100°C	61.0 9.4	34.3 7.4
Viscosity index	146	192
Brookfield Viscosity, cP	26,700 (-35 °C)	11,500 (-40°C)
Pour point °C (°F)	-43 (-46)	-51 (-60)
Flash point °C (°F) Closed cup.	205 (401)	226 (439)

*Physical characteristics shown in the table are typical and may vary slightly.*