



Product Data Sheet

TGH Full Synthetic Fluid **Full Synthetic Tractor Hydraulic Fluid**

DESCRIPTION

Nemco TGH Full Synthetic Fluid is a full synthetic, multifunctional fluid formulated specifically for tractors using a centralized system to lubricate the transmission, differential, wet brake, power steering and hydraulic systems.

Nemco TGH Full Synthetic Fluid is formulated with premium synthetic base oils to provide excellent cold temperature flow properties for year round service. A special additive system is used to provide anti-wear properties, which provide the ability to carry heavy differential gear loads and is resistant to the oxidative stress from high temperatures.

This fluid is designed to provide superior transmission and hydraulic operations at all temperature conditions, including sub-zero weather conditions, while keeping the internal parts clean and prolonging the life of sealing materials.

Features & Benefits

- Synthetic base oils with high viscosity index and excellent shear stability for all season performance
- Outstanding frictional properties provide chatter free operation of wet brakes
- Protects gears, pumps and other parts from wear due to high loads, thereby extending equipment life
- Keeps all system parts clean and varnish free for smooth operation

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. Suitable for all season use in both high and low temperature conditions. Provides superior performance in agriculture, off-highway and construction equipment calling for J20-C/D, THF or UTTO type fluid.



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Nemco Synthetic TGF is recommended for use in the following applications:

AGCO / Deutz-Allis / Allis	Power Fluid 821, 821XL
ALLISON	C-4, C-3 (obsolete) and C-2 (obsolete)
CATERPILLAR	MTO
CNH (CASE-IH, J.I. CASE New Holland Group)	Hy-Tran®, Hy-Tran®Plus, Hy-Tran®Ultra, MAT 3505, MS-1210, 1209, 1207, 1206, JIC 144/145, Power PRF
FORD	M2C-34A, B, C, & D, M2C-41B, M2C-53 A, B, M2C-86, MAT-3525
HESSTON/FIAT	Olio fiat Tutela Multi-F
JOHN DEERE	Hy-Gard; JD 303; J20A/C; J20B/D; JD 303, J14B/C
KUBOTA	Kubota Transdraulic Fluid, UDT, Super UDT Fluid
MASSEY FERGUSON	Permatran III, M-1145, M-1143, MF-1127 A/B, MF-1129A
STEIGER	Hydraulic/Transmission Fluid 17001
VERSATILE	HyGear Fluid, Specification 23
WHITE/OLIVER/MM	AG ONE, Universal Fluid, Type 55, Q-1826 HTF

Typical Characteristics – TGH Synthetic Fluid

Test	Performance
SAE Grade (approximate)	5w-30
Color	Amber
Viscosity cSt at 40°C cSt at 100°C	40.8 9.7
Viscosity index	234
Brookfield Viscosity, cP @ -20 C	2,300
Brookfield Viscosity, cP @ -40 C	29,000
Pour point °C (°F)	-48 (-54)
Foam Test (ASTM D892)	Pass
DKA Oxidation test	Pass
Seal Compatibility	Pass
OEM Shear Stability	Pass
API Gear Performance	GL-4

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