

## Product Information



# Synthetic All-Season Tractor Hydraulic & Transmission Oil

*Full Synthetic Farm, Construction and Logging Lubricant  
OEM Formulated for Year Round Use*

---

### DESCRIPTION

**Syngard™ Universal Heavy Duty Tractor Hydraulic and Transmission Fluid** is an all-weather Universal Tractor Transmission Oil (UTTO) that contains viscosity index improvers to improve operation at low temperatures while maintaining full viscosity at operating temperatures. This product is blended to meet all major OEM performance requirements and uses OEM approved additive technology.

**Syngard™ Universal Heavy Duty Tractor Hydraulic and Transmission Fluid** is engineered using premium synthetic base oils specially selected for their resistance to oxidation, clarity and thermal stability. OEM approved drive-train additives are then added to enhance performance and provide extreme pressure (EP) protection for highly loaded gears and proper frictional characteristics needed for wet-clutches and brakes. Eliminates chatter common with many fluids. Separates water easily to prevent rust and corrosion inside transmission.

**Syngard™ Synthetic All Season Tractor Hydraulic and Transmission Fluid** is designed to meet the heavy demands of farm tractors, construction equipment and logging equipment where a single fluid services the transmission, wet clutch, wet brake, power steering and final drives for two wheel and four wheel drive equipment.

---

### APPLICATION

- Farm tractors
- Construction equipment such as dozers, front end loaders, excavators
- Logging equipment such as skidders, feller bunchers, harvesters, loaders
- High pressure hydraulic systems where multi-viscosity fluids are preferred

---

### BENEFITS

- Protects gears with EP additives
- Inhibits rust, corrosion and foaming and aids in water tolerance
- Mixes safely with all OEM fluids
- Proper frictional control for wet brakes and clutches
- OEM approved additive system



**MARTIN LUBRICANTS, A Division of Martin Operating Partnership L.P.**  
SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ [www.martinlubricants.com](http://www.martinlubricants.com)

## Product Information

PERFORMANCE LEVELS		
John Deere		J20C (Hy-Gard, Quatrol), D (Low Temp Hy-Gard)
Case/ IH		JIC 143, 145, 145, 146 MS-1204, MS-1205 (TFD), MS 1206 (PowerGard), MS-1207 (Hy-Tran Plus),
Ford / New Holland		MS-1209 (Hy-Tran), MS-1210, ESN-M2C 134A, B, C, D; M2C86B, M2C41B, M2C48B, M2C53A, FNHA-2-C-200, FNHA-2-C-201
Massey Ferguson		M-1141 (Permatran® III), M-1135, M1143, M1129-A, M-1127-A/B, M-1110
Agco, White, Allis-Chalmers		PF821XL, M-1127B, M-1129A, M1135, M1141, Permatran III, Q-1722
Caterpillar		TO-2
Kobelco		UDH Fluid
Komatsu		Transmission / Hydraulic Fluid
JCB		Transmission / Hydraulic Fluid
Kubota		UDT Transmission / Hydraulic Fluid/ Super UDT
Sundstrand		Hydrostatic Transmission Fluid
Allison Transmission		C-3, C-4 (When Tractor Fluids are recommended)

TYPICAL PROPERTIES	Method	All Season UTTO (5W-20)
Specific Gravity at 15.6°C	D-1298	0.8718
Viscosity, cSt at 100°C	D-445	7.77
Viscosity Index	D-2270	178
Viscosity, cP at -18°C	D-2983	1,350
Sulphur Content %	D-2622	0.292
Flash Point, COC °C (°F)	D-92	207 (405)
Pour Point, °C (°F)	D-97	-51 (-60)
Foam, Sequence II	D-892	0 / 0
Copper Strip Corrosion	D-130	1A
ML Item No.	-	590944

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Technical Service Department.

**Health And Safety Information:** See separate Safety Data Sheets available on request.

**SynGard™** and **Martin Lubricants™** are trademarks of Martin Lubricants. All other marks are property of their respective owners.



**MARTIN LUBRICANTS, A Division of Martin Operating Partnership L.P.**  
SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ [www.martinlubricants.com](http://www.martinlubricants.com)