

## Product Information



# Synthetic All-Season Tractor Hydraulic & Transmission Oil

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

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### 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.

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### 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

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### 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



**CROSS PACKAGING**

SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ FAX 870 864-8656

## Product Information

<b>PERFORMANCE LEVELS</b>	John Deere	J20A, B , C (Hy-Gard, Quatrol), D (Low Temp Hy-Gard), J14B (303 Fluid), J14C, J21A
	Case/ IH	JIC 143, 145,145, 146 MS-1204, MS-1205 (TFD), MS 1206 (PowerGard), MS-1207 (Hy-Tran Plus), MS-1209
	Ford / New Holland	(Hy-Tran 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)	

<b>TYPICAL PROPERTIES</b>	<b>METHOD</b>	<b>5W-20</b>
Specific Gravity at 15.6°C	D 1298	0.8534
Viscosity, cSt at 100°C	D 445	7.34
Viscosity Index	D 2270	176
Viscosity, cP at -18°C	D 2983	2450
Sulphur Content %	D 2622	0.288
Flash Point, °C	D 92	214
Pour Point, °C	D 97	-47
Foam, Sequence II	D 892	0 / 0
Copper Strip Corrosion	D 130	1A

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.

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



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