

## Product Information



*PREMIUM – HEAVY DUTY UNIVERSAL - TRACTOR*

### ***Univesal Heavy Duty Tractor Hydraulic & Transmission Oil***

***Universal Farm, Construction and Logging Lubricant OEM Formula  
for Year Round Use***

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#### **DESCRIPTION**

**Gard® Universal Heavy Duty Tractor Hydraulic and Transmission Fluid** is a universal hydraulic and transmission fluid for 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.

**Gard® Universal Heavy Duty Tractor Hydraulic and Transmission Fluid** is formulated using premium HVI 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.

**Gard® Universal Heavy Duty Tractor Hydraulic and Transmission Fluid** is an all season product and contains viscosity index improvers to improve operation at low temperatures while maintaining full viscosity at operating temperatures. This product is blended to meet OEM performance requirements and uses OEM approved additive technology.

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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	J14B (303 Fluid), J14C, J20A, B , C (Hy-Gard, Quatrol), <b>5W-20 only</b> - J20D (Low Temp Hy-Gard), 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 ESN-M2C, 134B, C, D
	Massey Ferguson	PF821XL, M-1127B, M-1129A, M1135, M1141,
	Agco, White, Allis-Chalmers	Permatran III, Q-1722
	Caterpillar	TO-2
	Kobelco	UDH Fluid
	Komatsu	Transmission / Hydraulic Fluid
	JCB	Transmission / Hydraulic Fluid
	Kubota	UDT Tranmission / Hydraulic Fluid
Allison Transmission	C-3, C-4 (When Tractor Fluids are recommended)	

TYPICAL PROPERTIES	METHOD	10W-30	5W-20
Specific Gravity at 15.6°C	D 1298	0.869	0.863
Viscosity, cSt at 100°C	D 445	58.00	37.03
Viscosity, cSt at 100°C	D 445	9.4	7.4
Viscosity Index	D 2270	145	171
Viscosity, cP at -18°C	D 2983	3100	1440
Sulphur Content %	D 2622	0.37	0.36
Flash Point, °C	D 92	222 (432)	212 (414)
Pour Point, °C	D 97	-32 (-26)	-42 (-44)
Foam, Sequence II	D 892	0 / 0	0 / 0
Copper Strip Corrosion	D 130	1B	1B
John Deere specification	J-20X	<b>J-20C</b>	<b>J-20D</b>

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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