

## Product Data Sheet



# HB-1221 SYNTHETIC TRACTOR HYDRAULIC FLUID

### DESCRIPTION:

**HB-1221** Synthetic Tractor Hydraulic Fluid is a full synthetic base lubricant formulated with an additive system containing anti-rust, anti-foam, oxidation inhibitors and other additives necessary for the wide range of applications recommended by various tractor manufacturers. The product is an "all-seasonal" type of fluid with a wide temperature/viscosity range that imparts thickening resistance in cold weather and thinning in the heat of summer. It is compounded with dispersant/detergents to keep transmissions clean and maintain hydraulic control circuits in perfect working condition. The product further provides excellent protection against seal and pump deterioration. Operators, especially farmers, will appreciate the multi-purpose application of Synthetic Tractor Hydraulic Fluid, with equipment employing a central reservoir, lubricating transmissions, final drives, and various hydraulic systems of tractors.

### APPLICATIONS:

Formulated and recommended for multipurpose use in transmissions, differentials, hydraulic and power steering units in many different makes of tractors and farm equipment. Synthetic Tractor Hydraulic Fluid can be used for those hydraulic, wet brake, and transmission applications where the following OEM fluids are recommended:

AGCO: (Deutz-Allis) - PF-821XL, AC-257541AC-272843,  
(Power Fl. 821) Allison:  
C-3, C-4 \*  
Case-IH: Hy-Trans, Hy-Trans Plus, Hy Trans Ultra MAT-  
3505, MS-1210, MS-1207/1209, JIC-144/145  
Caterpillar TO-2\*\* & MTO  
John Deere J20C, J21A, J14B/C ABEX/Dennison  
HF-0, HF-1, HF-2 (Pumps Only) Ford: ESN-M2C41-B,  
M2C134-D/FNHA-2-C-201.00  
Hesston/Fiat: AF-87, OT Multi-F Volvo  
WB-101/BM  
ZF TE-ML-03E

International Harvester: B6 Kubota:  
UDT Fluid, UDT Super \*\*\*\*  
Massey Ferguson M-1141 (Permatron III) M-  
1143, M-1145  
Minneapolis-Moline: Q-1766, Q-1766B  
Steiger SEMS 17001\*\*\*  
Sundstrand HMS 103 White  
Equip. Q-1722  
White Q 1826 & Type 55 (See AGCO) Renk  
Doromat: 874A/B  
Versatile (now New Holland) 23M, 24M  
Vickers M-2950-S, I-286-S

- \* Allison does not recommend Tractor Hydraulic Fluids for C-4 service.
- \*\* Premium Tractor Hydraulic Fluid is not recommended for Cat T0-4 service.  
Use Drive Train TC of the appropriate viscosity.
- \*\*\* Hydraulic Trans Fluid: Gear, Hydraulic and Wet Brake Oil.
- \*\*\*\* Farm tractor applications only; not for extreme temperatures or severe operations.

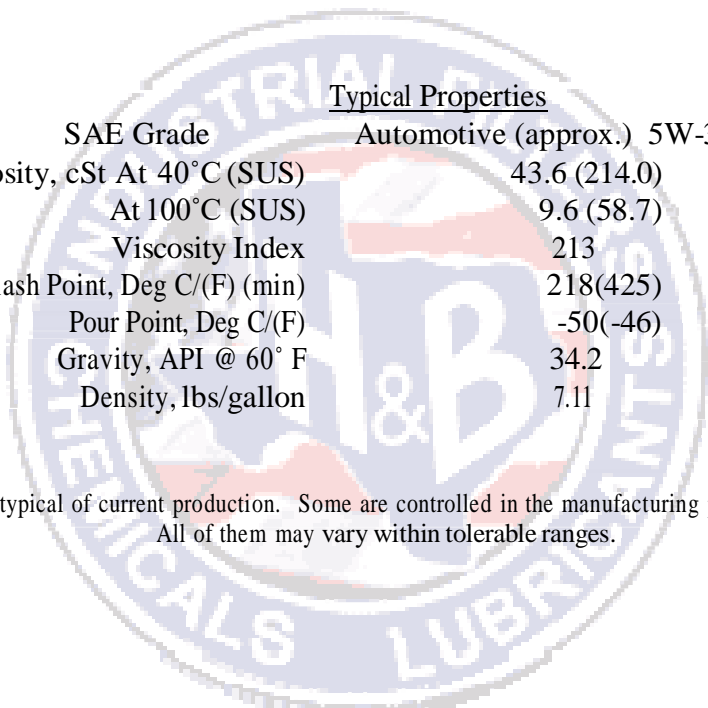
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The logo is a circular emblem. The outer ring contains the text 'INDUSTRIAL CHEMICALS' at the top and 'LUBRICANTS' at the bottom. In the center, there is a shield-like shape with a stylized 'H & B' monogram. The background of the emblem features a landscape with a sun rising over hills and a body of water.

<u>Typical Properties</u>	
SAE Grade	Automotive (approx.) 5W-30
Viscosity, cSt At 40°C (SUS)	43.6 (214.0)
At 100°C (SUS)	9.6 (58.7)
Viscosity Index	213
Flash Point, Deg C/(F) (min)	218(425)
Pour Point, Deg C(F)	-50(-46)
Gravity, API @ 60° F	34.2
Density, lbs/gallon	7.11

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not.  
All of them may vary within tolerable ranges.

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