



## Starfire® Premium J20C Tractor Hydraulic Fluid

Starfire Premium J20-C Tractor Hydraulic Fluid is a premium multi-purpose lubricant formulated from select base stocks and state-of-the-art additive technology. It is designed for use in a variety of farm equipment, off-highway machinery, industrial tractors, final drives, power take-off units, wet brakes, power steering units, and hydraulic systems. It provides the unique combination of ultimate equipment protection and the convenience of using one fluid in place of two or more fluids while maintaining optimum component performance and durability.

The combination of special friction modifiers and shear-stable viscosity modifiers offer optimum performance levels. Starfire Premium Tractor Hydraulic Fluid is recommended for use in all major OEM equipment including, but not limited to; Kubota, Oliver, Minneapolis-Moline, Caterpillar, International Harvester, White Farm, John Deere, Deutz-Allis Chalmers, Case New Holland, J.I. Case, and AGCO (Massey Ferguson).

### EQUIPMENT BENEFITS

- Superior wear protection to protect critical components
- Excellent frictional properties for smooth shifting
- Excellent anti-shudder performance
- Good seal compatibility
- Protection against varnish and sludge formation
- Superior thermal stability and oxidation resistance



### PRODUCT FEATURES

- Formulated with highly-refined Group II base stocks for added resistance to thermal breakdown
- Provides active anti-wear agents to protect critical transmission components
- Delivers added resistance to fluid oxidation
- Shear-stable viscosity modifiers provide stay-in-grade protection

### APPLICATIONS

Starfire Premium Tractor Hydraulic Fluid is recommended for the following fluid requirements and applications:

- Allison: C-4
- John Deere: Quatrol, J20C, J20A, J21A, Hy-Gard J14B/C, Type 303 Fluid
- International Harvester: Hy-Tran, B-6
- AGCO (Massey Ferguson) : M-1145, M-1143, M-1110, M-1127B, M-1129A, M-1135 Permatran III, M-1138, M-1141, White Q-1826, & Allis Chalmers Power Fluid 821 XL, Duetz-Allis Hyd Trans Fluid, 25743, 272843, & AGCO-Allis
- J.I. Case: TFD (JIC-143/146), Hi-Vis (JIC-185), JIC-144/145, MS-1204, MS1205/1206/1207, MS-1210 (TCH) and B-6
- Case New Holland: MAT 3505, MAT 3525, MAT 3526, ESN M2C86-A/B/C, M2C134-A/B/C/D, M2C41-B, M2C43, M2C53-A/B, M2C92-A
- Vickers- I-2986-S, 104C, & M2950S, Denison UTTO, HF-0, HF-01, HF-02
- Kubota Universal Transdraulic Fluid: UTD & Super UTD
- Sundstrand Hydrostatic Transmissions: JDQ-84
- Volvo: BM, VCE 1273.03 & WB-101 (wet brake)
- Caterpillar: TO-2, & MTO (Multi- Application Tractor Oil) for older Backhoe Loader rear axles and Challenger Tractors

Starfire® Premium Tractor Hydraulic Fluid Typical Physical Properties	
Performance Level	J20C
SAE Grade	10W-30
API Gravity @ 60° F	29.7
Lbs./gallon	7.2
Viscosity, cSt @ 100°C	10.2
Viscosity, cSt @ 40°C	68.4
Viscosity Index	140
Pour Point, °C (°F)	-40 (-40)
Flash Point, °C (°F)	218 (424)
Minor variations in typical physical properties may occur from normal manufacturing processes	