

## PRODUCT INFORMATION

# ECOSE<sup>®</sup> SYNTHETIC ALL SEASON TRACTOR HYDRAULIC FLUID

**ECOSE<sup>®</sup> Synthetic All Season Tractor Hydraulic Fluid** is a synthetic, highly shear stable hydraulic fluid formulated for use in transmissions, wet brakes, final drives and other equipment using a common reservoir found in modern construction and farm equipment. **ECOSE<sup>®</sup> Synthetic All Season Tractor Hydraulic Fluid** is designed with a proprietary blend of synthetic base stocks, shear stable modifiers, and the most advanced additive technology available. Designed to have a high viscosity index and a low pour point, this fluid can operate over a wide range of temperatures, hot and cold, to maximize service life of your oil and to replace many other fluids in your inventory. **ECOSE<sup>®</sup> Synthetic All Season Tractor Hydraulic Fluid** provides outstanding wear protection and meets the latest requirements of OEM tractor and transmission manufacturers and replaces both John Deere J20C & J20D and Case New Holland 3525 & 3505.

### FEATURES AND BENEFITS:

- Excellent all-season performance
- Extended oil drain – long fluid life
- Increased equipment life
- Universal applications – reduced inventory
- Good seal and O-ring capability
- Excellent anti-wear prevents scoring and gear wear
- Suppresses brake chatter without reducing brake capacity
- Non-foaming – rapid air release
- Excellent corrosion protection
- Outstanding resistance to oil oxidation at high temperatures

### PERFORMANCE RECOMMENDATIONS:

#### AGO Power Fluid PF821XL

Allison C-4, C-3, C-2

Case New Holland MAT 3505, MS-1207, MAT 3506, 3509, 3525, 3526, 3510, MS1205, MS1204, JIC185, JIC144, JIC143, B-5, M2C86B/C, M2C53A, M2C41B, M2CA/B/C, ESN-M2C77

Caterpillar TO-2

John Deere J20C, J20D, J14A/B/C, JDT303, J20A/B, J121A

Deutz – Allis 25743, 272843AC Power Fluid 821XL

Deutz-Fehr

Fiat-Hesston

Komatsu

#### Kubota UDT/M80B, Super UDT

Landini Tractor Hydraulic Fluid

Massey-Ferguson M-1141, M-1110, M-1127A/B, M-1129A, M-1135, M-1138, M-1139, M-1443, M1145

Oliver/White Q-1705, I-1766B, Type 55, Q-1722, 102082, Q-1826

Renk Doromat 874A, 874B

Sauer Sunstrand Hydraulic Transmission Fluid

Sperry Vickers/Eaton I-286-S, M2950-S

Steiger HTF (SEMS 17001)

Versatile New Ideas Power Units, Leyland Belarus, Specs 23M,24M

Volvo VCE 1273.03, WB 101, WB 102

White-New Idea Q1826

ZF TE-ML 03E, TE-ML 05F, TE-ML 06K, TE-ML 17E

### APPLICATIONS:

- Farm Equipment
- Off-Highway Equipment
- Powershift Transmissions
- Manual Transmissions
- Final Drives
- Clutches
- Fork Lift Trucks
- Construction Equipment
- Industrial Tractors
- Hydrostatic Transmissions
- Differentials
- Wet Brakes
- Power Steering
- Golf Course Mower Hydrostatic Systems

**Consult Owner's Manual for Application Requirements**

### AVAILABILITY:

**ECOSE<sup>®</sup> Synthetic All Season Tractor Hydraulic Fluid** is available throughout Nu-Tier Brands' marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit [Nu-tierbrands.com](http://Nu-tierbrands.com).

**ECOSE® Synthetic All Season Tractor Hydraulic Fluid**

**Typical Properties**

SAE Grade		<b>5W-30</b>
Product Code	<b>Test Method</b>	531970
Viscosity, cSt @ 40°C	ASTM D-445	48.6
Viscosity, cSt @ 100°C	ASTM D-445	9.6
Brookfield Viscosity, cP @ 40°C	ASTM D-2983	18,900
Viscosity Index	ASTM D-2270	188
Pour Point, °F (°C)	ASTM D-5949	-58 (-50)
Flash Point, COC, °F	ASTM D-92	425
Gravity, API	ASTM D-4052	33.1
Cold-Crank Simulator -30°C		4,315
KRL Shear Testing after 20 hours		8.4