



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## SYNTHETIC UNIVERSAL HYDRAULIC FLUID

**Lucas Synthetic Universal Hydraulic Fluid** is a blend of the finest synthetic base stocks and a Lucas additive package that meets or exceeds the most stringent manufacturers' specifications, including Caterpillar TO2.

The user can expect longer fluid life and longer component life. He can expect more hydraulic pressure, faster response and smoother operation.

Lucas Synthetic Universal Hydraulic Fluid is blended under ultra clean conditions and passed through a finite filtration system that guarantees it to be clean of any foreign matter.

Lucas Synthetic Universal Hydraulic Fluid is designed for all temperature extremes. It eliminates the need for warm-up time in extreme cold temperatures. It also eliminates slippage, loss of pressure; premature oil breakdown and component wear due to higher than normal operating temperatures.

### PART NUMBER AND SIZE:

10100 – 5 Gallon  
10524 – 55 Gallon  
10851 – 330 Gallon

### FEATURES AND BENEFITS:

- Longer fluid and component life
- More hydraulic pressure
- Faster response
- Smoother operation

### MAIN APPLICATIONS:

A multipurpose powershift transmission/hydraulic fluid intended for a wide range of power-driven equipment. Exceeds performance requirements for agricultural, construction and other off-highway and industrial equipment.



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

Meets all OEM specifications for powershift transmissions including gears, pumps, differentials, final drives, bearings, wet brakes, transmissions and PTO clutch applications. Meets and exceeds JOHN DEERE specifications J20A, J20B, J20C, J20D. Suitable for use where HY-GARD is recommended.

Suitable for use in the following applications:

### **AGCO-Allis**

AGCO-Allis Power Fluid 821XL® (Current)

Allis-Chalmers Power Fluid 821®

Deutz-Allis 272843, 257541, 246634

Massey-Ferguson M-1110, M-1127A and M-1127B, M-1129A, M-1135 (Current Worldwide), M-1141 (Current EP THF), M-1143 (Finished Oil), M-1145 (Finished Oil)

**White Farm Equipment including:** Q-1826 (Current)

Minneapolis-Moline Q-1766, Q-1722, Q-1766B

Oliver Q-1705

New Idea Q-1802, Type 55

**Allison** C-2, C-3 and C-4 (Allison no longer recommends Tractor Hydraulic Fluids for use in their transmissions)

**Caterpillar** TO-2, Multipurpose Tractor Oil (MTO)

**CNH Global N.V.**

**Case International including:** MS-1206, MS-1207, MS 1209, MAT 3505, MAT 3540 (Current, zinc-free THF)

Case-IH MS-1210, JIC 145

JI Case JIC 143 / 144

International Farmall MS-1204, JIC 185

International Harvester B-5, B-6 (International Harvester)

Steiger SEMS 17001 (Steiger)

**New Holland (Fiat) including:**

Ford and New Holland FNHA-2-C-200, FNHA-2-C-200A, FNHA-2-C-201, MAT 3525, 3526 (Current), ESN-M2C41-B, ESN-M2C43, ESN-M2C48-A and ESN-M2C48-B, ESN-M2C53-A and ESN-M2C53-B, ESN-M2C86-B and ESN-M2C86-C (3), ESN-M2C92-A, ESN-M2C134-A, B, C, D

Sperry-Vickers 35VQ25 and M-2952-S (Vickers), I-286-S (Vickers), M-2950-S (Vickers)

Versatile Specification 23M or 24M (Versatile)

**Hesston-Fiat (tractors only)** AF-87, Multi-F, Multi-G (Current)

**John Deere** JDM J20C and J20D (Current), JDM J20A and J20B, JDM J14B and J14C, JDM J21A, JDT 303, QuatroI®

**Komatsu Dresser** B-06-0001 and B-06-0002

**Kubota** UDT (Current)

**Renk Doromat** 873, 874 A and 874 B (Current)

**Volvo CE** WB-101

**ZF** TE-ML 03E / 03F / 05F / 06E / 06F / 06K / 17E / 21F

Suitable for use in the following OEM Equipment and applications:

API GL-4, Argo S.p.A., Arvin Meritor, Belarus, Buhler, Clark, Claas, David Brown (part of CNH), Denison HF-0, HF-1 & HF-2, DEXRON and Type A, Suffix A (tractor), Eaton Hydraulics, Ebru, Fendt, Ford, Fort and Pegoraro (part of Argo S.p.A.), Gleaner (part of AGCO), Hurlimann, Ingersoll Rand, IMT, International Harvester, International Hough (Dresser), JCB, JI Case, KH Duetz, Kioto, Komatsu and Komatsu/ Dresser, Kubota, Lamborghini, Landini S.p.A. (part of Argo S.p.A.) Laverda (part of Argo S.p.A.), Leyland, Link Belt, Mahindra, McCormick (part of Argo S.p.A.), Mitsubishi Poclain, Renk, Rockwell Transmissions, Same Deutz-Fahr, Sauer Sundstrand, Schluter, Steyr Daimler, Sundstrand Hydraulics (Plessey), Taylor, Universal, Ursus, Valmet, Valpadana (part of Argo S.p.A.), Valtractores, Versatile, Vickers Hydraulics, Volvo, Yanmar, Zetor



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D-1298	35.5
Specific Gravity @ 60°F	D-1298	0.8473
Density @ 60°F, Lbs/US Gal	D-1298	7.055
Viscosity @ 40°C cSt	D-445	56.9
Viscosity @ 100°C cSt	D-445	10.5
Viscosity Index		178
Pour Point, °C (°F)	D-97	-45 (-49)
Color		Amber
Flash Point, COC °F	D-92	470

These characteristics are typical of current production. However, slight variations in these characteristics may occur.

## HEALTH, SAFETY AND ENVIRONMENT:

Health and Safety information is available on the appropriate Safety Data Sheet, which can be obtained from [LucasOil.com](http://LucasOil.com)

## LINKS AND ADDITIONAL INFORMATION:

For additional product information visit [LucasOil.com](http://LucasOil.com)