UNIVERSAL HYDRAULIC & TRANSMISSION FLUID

Lucas Oil Universal Hydraulic Fluid is a multipurpose powershift transmission/hydraulic fluid intended for a wide range of power-driven equipment. It exceeds the performance requirements for many agricultural, construction, and other off-highway and industrial equipment and applications.

Lucas Oil Universal Hydraulic Fluid is formulated with a unique additive system that provides multi-functional and multi-system protection, matched for a wide array of OEM hardware. It provides outstanding wear protection for gears and tractor hydraulic system components. Our unique extreme pressure additives help to prevent scuffing and gear-tooth galling during shock loading, while our specialty blend of polymers help maintain viscosity and film strength over a wide operating temperature range. Our formulation also contains tackifiers which improve the clinging power of the oil, ensuring lubricant is always present - from start up to shut down.

Lucas Oil Universal Hydraulic Fluid meets the requirements of all OEM specifications for powershift transmissions including gears, pumps, final drives, bearings, wet brakes, transmissions, and PTO clutch applications. Meets and exceeds JOHN DEERE specifications J20A, J20B, J20C, and is suitable for use where HY-GARD is recommended.

PART NUMBER AND SIZE:

30017 – 1 Gallon (Case of 4)

FEATURES AND BENEFITS:

- Formulated for longer fluid and component life.
- Polymer modified for increased fluid film strength at high operating temperatures.
- Outstanding wear and anti-scuffing protection.
- Meets and exceeds OEM specifications for power shift transmissions.
- Friction reducing formulation for improved energy efficiency.

MAIN APPLICATIONS:

Lucas Oil Universal Hydraulic Fluid is a multipurpose powershift transmission/hydraulic fluid, often called Tractor Hydraulic Fluid (THF) intended for a wide range of power-driven equipment. Exceeds performance requirements for agricultural, construction and other off-highway and industrial equipment. Friction modified for broad performance and application but should not be used where Caterpillar TO-4 or the like are recommended (fluids which are not friction modified).

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. 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, JDM J20A and J20B, JDM J14B and J14C, JDM J21A, JDT 303, Quatrol®
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

TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D4052	27.8
Specific Gravity @ 60˚F	D4052	0.8883
Density @ 60˚F, lbs/US Gal	D4052	7.398
Viscosity @ 40˚C, cSt	D445	60.0
Viscosity @ 100˚C, cSt	D445	9.0
Viscosity Index	D2270	128
Pour Point, ˚C (˚F)	D97	-36 (-33)
Color	Visual	Clear yellow
Flash Point, Open Cup, ˚F	D92	470

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

LINKS AND ADDITIONAL INFORMATION:

For additional product or health and safety information, including product Safety Data Sheets, visit LucasOil.com