

## TECHNICAL DATA SHEET



# UNIVERSAL HYDRAULIC & TRANSMISSION FLUID

PRODUCT # 10017, 10037, 10038, 10304, 20017

TEST	ASTM	TYPICAL
API Gravity	D-1298	27.8
Specific Gravity @ 60°F	D-1298	.8883
Density @ 60°F LBS/US Gal	D-1298	7.398
Viscosity @ 40°C cSt	D-445	60.0
Viscosity @ 100°C cSt	D-445	9.0
Viscosity Index		128
Pour Point, °C (°F)	D-97	-42 (-44)
Color		Clear Yellow
Flash Point, COC °F	D-92	470

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.

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.

Lucas Universal Hydraulic Fluid is blended with the highest quality base oils and the highest quality additive package. It is further fortified with the following additives and ingredients that assures equipment owners and operators of reduced down-time and extended equipment life:

**Seal Conditioning Additive:** Keeps seals soft and pliable, preventing them from hardening and cracking;

**Extreme Pressure Additive:** Should the oil film rupture during shock loads or over loads, the extreme pressure additives take over, preventing metal to metal contact;

**Adhesive and Cohesive Additives:** Retards splattering and dripping, makes oil cling tenaciously to gears, bearings, bushings and other metal parts;

**Special Blend of Polymers:** These add lubricity to the oil and transfer heat immediately to the casing for dissipation. This cooler operating condition allows for longer life of the components, as well as longer life of the oil itself.

**Meets or exceeds the following specifications:**

**JOHN DEERE J20 A, B, C, J21A & J27 (10W OR 30)  
FORD NEW HOLLAND M2C134D, M2C48 (B&C), M2C41-B  
FORD FNHA-2C-200, C201, M2CA-C, FORD M2C86A, B, C  
JI CASE MS-1204, 1206 (POWERGARD PFT), 1207 (HY-TRAN PLUS), 1210,  
JIC-143-145 (TCH FLUID) INTERNATIONAL FARMALL AND 185 (TFD FLUID)  
MASSEY FERGUSON M1110, 1127 A&B, 1129A PERMATRAN, 1143 AND 1145  
WHITE Q-1705, 1722, 1766, 1766B, 1802 AND 1826  
SAUER SUNSTRAND/DANFOSS HYDRO STATIC TRANS FLUID  
VERSATILE GEAR AND HYDRAULIC TRANS FLUID  
RENK BUS AUTOMATIC TRANSMISSION FLUID  
SPERRY VICKERS/EATON I-280-S AND M2950S  
DUETZ HYDRAULIC TRANS FLUID  
DUETZ-ALLIS 25743 (PF-821 XL)  
CNH MAT 3505, CNH MAT 3510, 3525, 3526  
JCMAS HK P-041, -042  
PARKER (DENISON UTTO) HF-1 to HF-2  
FIAT-HESSTON AF-87  
LANDINI TRACTOR HYDRAULIC FLUID  
VOLVO  
OLIVER TYPE 55, TYPE 5J AND Q1802  
ZF TEMPL03 AND TEMPL06  
STEIGER HYDRAULIC TRANS FLUID  
KUBOTA UDT FLUID  
I.H.C. B5 & B6 HYTRAN  
DENISON HF (0 THRU 2)  
ALLISON C-3 AND C-4  
API GL-4  
CATERPILLAR TO-2 \***

**\* Not recommended for CAT TO-4 applications. Use Lucas Heavy Duty Trans/Drive Train Oil in the OEM recommended viscosity grade for these applications.**