



CO-OP® TRANS-HYDRAULIC FLUID

"ALL-PURPOSE" FLUID FOR TRACTOR HYDRAULICS, TRANSMISSIONS AND DIFFERENTIALS



CO-OP Trans-Hydraulic

is available
in containers of:

- 4 x 5 litre cases
- 2 x 10 litre cases
- 20 litre pails
- 110 litre drums
- 205 litre drums



DESCRIPTION

CO-OP TRANS-HYDRAULIC FLUID is a premium "All-Purpose" product for use in farm, construction, or off-highway equipment. It was developed to meet manufacturers' recommendations for a single fluid for powershift, hydrostatic transmission differential, final drive, wet brake, wet clutches and hydraulic components. It is recognized as an industry leader in the area of gear protection, rust and corrosion protection and friction material operations.

FEATURES & BENEFITS

- **EXTENDED OIL LIFE**
Potent inhibitors resist oxidation and thermal breakdown, maximizing oil life and heat resistance.
- **OPTIMUM FRICTION**
Trans-Hydraulic has carefully balanced friction characteristics for chatter-free wet brake and clutch operations.
- **GEAR WEAR PERFORMANCE**
Trans-Hydraulic is recognized as an industry leader in gear wear performance. It meets or exceeds all major manufacturers' requirements.
- **ANTI-RUST PROTECTION**
Corrosion inhibitors protect against rust and corrosion even while the equipment is idle.
- **EXTENDED SEAL LIFE**
Trans-Hydraulic is compatible with commonly used elastomers, including Viton, for extended seal, gasket, brake and clutch component life.
- **MINIMUM FOAMING**
Anti-foam additives resist foaming for optimum performance of transmission and hydraulic systems.
- **WATER DEMULSIFICATION**
Trans-Hydraulic out-performs other fluid formulations, even with the presence of 1% water.
- **LOW TEMPERATURE FLUIDITY**
Trans-Hydraulic provides year-round performance, even at temperatures as low as -30°C.
- **ANTI-WEAR PROTECTION**
Anti-wear and extreme pressure additives, by giving exceptional protection against wear and scoring, extend equipment life.
- **VISCOSITY RETENTION**
Trans-Hydraulic is very shear stable and retains its viscosity through extended use.





LUBRICANTS



TYPICAL TRANS-HYDRAULIC PROPERTIES

KINEMATIC VISCOSITY	ALL SEASON
cSt at 100°C	9.5
cSt at 40°C	63.0
Viscosity Index	135
Density at 15°C (Kg/m ³)	885
Pour (0°C)	-45°C
Optimum Operating Range	-25°C to 50°C
Brookfield @ - 20°C (CP)	4,900
@ - 35°C (CP)	64,600

QUALIFICATIONS

CO-OP T-HF can be used where the following specifications and/or manufacturers are recommended for both current and non-current equipment.

JOHN DEERE

J20C/D (current)
J20A/B
J14B/C
J21A
JDT 303
Quatrol

NEW HOLLAND (FIAT)

Including: FORD, SPERRY-VICKERS, VERSATILE, NEW HOLLAND, FIAT
ESN-M2C134-D (current)
ESN-M2C134-A/B/C
ESN-M2C86-B/C
ESN-M2C53-A/B
ESN-M2C48-A/B
ESN-M2C43
ESN-M2C41-B
ESN-M2C92-A
Specification 23M or 24M (Versatile)
I-286-S (Vickers)
M-2950-S (Vickers)
35UQ25 (Vickers)
FNHA-2-C-201 (134-D Fluid)

AGCO (MASSEY FERGUSON)

Including: AGCO-ALLIS, ALLIS-CHALMERS, DEUTZ-ALLIS
Power Fluid 821XL (current)

AGCO (MASSEY FERGUSON) cont.

M-1110
M-1127A/B
M-1129A
M-1135 (current)
M-1141 (current)
M-1143 (current)

JI CASE (CNH)

Including INTERNATIONAL HARVESTER, CASE-IH, STEIGER
MS-1204, JIC 185
MS-1205, JIC 185
MS-1206
MS-1207
MS-1209 (current)
MS-1210, JIC 145
JIC 143/144
B-6 (International Harvester)
SEMS 17001 (Steiger)

KUBOTA

UDT (current)

HESSTON & HESSTON-FIAT

(tractors only)
AF-87 (current)

WHITE FARM EQUIPMENT

(part of AGCO)
Including: MINNEAPOLIS-MOLINE, OLIVER, NEW IDEA
Q-1826 (current)
Q-1766 (Q-1722), Q-1766B
Q-1705
Q-1802
Type 55

RENK-DOROMAT

873, 874 A/B (current)

ALISON

C-2, C-3, C-4 (current)
C3/C4

CATERPILLAR

TO-2

DENISON

HF-1, HF-2 (current)

VOLVO

WB-101

OTHER MANUFACTURERS:

BELARUS
DAVID BROWN (part of JI CASE)
EATON HYDRAULICS
IMT
INTERNATIONAL HOUGH (DRESSER)
KIOTO
KOMATSU & KOMATSU/DRESSER
LANDINI
LEYLAND
McCORMICK FARMALL (part of JI CASE)
MITSUBISHI
SUNDSTRAND HYDRAULICS
UNIVERSAL
VALMET
YANMAR
API-GL4