

PETRO FACTS



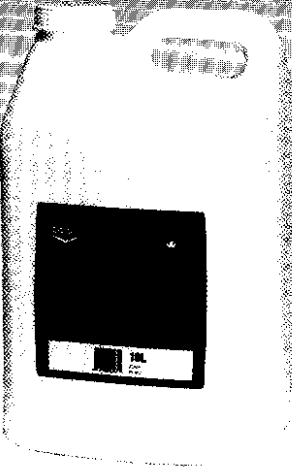
CO-OP® TRANS-HYDRAULIC FLUID "ALL-PURPOSE" FLUID FOR TRACTOR HYDRAULICS, TRANSMISSIONS AND DIFFERENTIALS

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, water demulsification and friction material operations.

FEATURES & BENEFITS

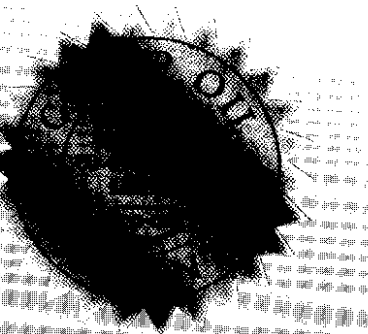
- **EXTENDED OIL LIFE**
Potent inhibitors resist oxidation and thermal breakdown, maximizing oil life and heat resistance.
- **OPTIMUM FRICTION**
Trans-Hydraulic has carefully balanced friction characteristics for chatter-free wet brake and clutch operations.
- **GEAR WEAR PERFORMANCE**
Trans-Hydraulic 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.



CO-OP Trans-Hydraulic

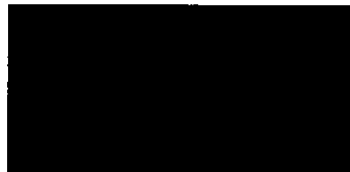
is available
in containers of:

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





LUBRICANTS



KINEMATIC VISCOSITY ALL SEASON

cSt at 100°C	9.7
cSt at 40°C	55.0
Viscosity Index	145
Density at 15°C (Kg/m ³)	885
Pour (0°C)	-36°C
Optimum Operating Range	-25°C to 50°C
Brookfield @ - 20°C (CP)	3,640
@ - 35°C (CP)	61,100

QUALIFICATIONS

CO-OP T-HF SL 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 (current)
- J21A
- JDT 303
- Quatrol

FORD 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)

AGCO

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

MASSEY-FERGUSON

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

JI CASE

- Including INTERNATIONAL HARVESTER, CASE-IH, STEIGER
- MS-1204, JIC 185
 - MS-1205, JIC 185
 - MS-1206
 - MS-1207 (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

- T0-2

DENISON

- HF-1, HF-2 (current)

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
- SAME
- SUNDSTRAND HYDRAULICS
- UNIVERSAL
- VALMET
- YANMAR