



POWERTRANS

Powershift Transmission Fluid

Product Description

- **POWERTRANS** : A premium powershift transmission fluid is developed for use in off-highway equipments and machines such as construction equipments, agricultural instruments, etc. This product exceeds the stringent specification requirements of key powershift transmission manufacturers such as Caterpillar, Allison, Eaton, and ZF, etc.

Features/Benefits

- Controls powershift transmission friction excellently
- Reduces gear wear, excellent oxidation stability and sludge control
- Well protects against corrosion, rust, and maximizes foam protection
- Provides smoother brake operation and prolongs life of transmission and breaking system
- Offers good seal compatibility

Applications

- Recommend to use in powershift transmission, most final drives, wet brake compartments and hydraulic system of Off-highway equipments in which manufactured by transmission manufacturing leaders; such as Caterpillar, Komatsu, etc.

Performance Standards

- Caterpillar TO-4
- Allison C-4 (Approval No. C4-30854001)
- Komatsu Micro-Clutch
- ZF TE-ML 01, 03, 04, 10, 14
- Eaton Fuller
- Pass CRC L-60-1 test
- Pass Mack Transmission

Key Properties

	SAE 10W	SAE 30	SAE 50
- Viscosity @ 100 °C, cSt	6.4	10.5	19.0
- Viscosity Index	104	99	95
- Pour Point, °C	-36	-30	-18
- Flash Point, °C	238	248	266
- TBN, mgKOH/g	7.5	7.5	7.5

For more information, please contact Petroleum Products and Alternative Fuels Research Department, PTT Research & Technology Institute: Tel. (662) 537-3000 Ext. 8278, 8228 Fax. (662) 537-3000 Ext. 8283 or Technical Service Division, Oil Business : Tel. (662) 537-2327-8, (662) 537-2408, (662) 537-2412.