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# PRODUCT DATA SHEET

Premium Quality Lubricants

## NATIONAL™ TO-4 FLUIDS

Premium fluids for off-highway equipment transmission and hydraulic systems

### PRODUCT DESCRIPTION

NATIONAL™ TO-4 transmission and drivetrain fluids are designed to meet the demanding requirements of modern transmissions, final drive, oil immersed brake and hydraulic systems on heavy duty off road equipment.

### INDUSTRY AND OEM SPECIFICATIONS

- ◆ ALLISON C-4, C-3 (SAE 10W, 30)
- ◆ Caterpillar TO-4, TO-2
- ◆ Eaton Fuller Transmissions
- ◆ Euclid Equipment
- ◆ API CF
- ◆ ZF Powershift
- ◆ Komatsu-Dresser Equipment
- ◆ Terex Construction Equipment
- ◆ Vickers M-2950-S for mobile hydraulics

### APPLICATIONS

NATIONAL™ TO-4 transmission and drive train fluids are recommended for applications requiring CAT TO-4 and Allison C-4.

### TYPICAL PROPERTIES

|                  | TEST  | 10W | 30   | 50   |
|------------------|-------|-----|------|------|
| Viscosity @100°C | D445  | 5.0 | 11.1 | 19.5 |
| Viscosity Index  | D2770 | 104 | 100  | 94   |
| Pour Point °C    | D97   | -30 | -25  | -15  |

Note: Not recommended for use for farm tractor service that employs a common reservoir for transmissions and hydraulic systems.

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