

PowerTrans TO-4 Mono-Grade Oils

Heavy-Duty Off-Highway Transmission Fluid

Description

Nemco PowerTrans TO-4 Mono-grade oils are designed to optimize performance of off-highway transmissions, drive trains, and hydraulic systems. Formulated with Group II base oils, these transmission fluids provide outstanding oxidation stability, elastomer compatibility, corrosion and rust control, and maximum protection against foaming.

Nemco PowerTrans TO-4 Mono-grade oils are offered in three viscosity grades: 10W, 30 and 50 and are intended for the most demanding transmissions (manual, powershift, and automatic), drive trains, clutches, and hydraulic systems.

Advantages

- Optimized clutch friction retention and slippage control
- Significantly improved clutch life compared to the former API CD/CAT TO-2 engine oils
- Greatly improved control of gear wear in transmissions, gear boxes, and drive trains
- Top performance in wet brakes, excellent control of brake chatter
- Outstanding hydraulic oil stability and protection against high pressure pump wear

Application

- Off-highway, heavy-duty applications
- Spur, helical, bevel, and worm gear boxes
- Twin Disc clutches and F-Type transmissions
- Industrial, logging, mining, and agricultural equipment
- Suitable for most automotive hydraulic applications

Suitable/Recommended for

- Caterpillar TO-4
- ZF Power Shift TE-ML 03C, 07F
- Allison C-4
- Komatsu KES 07.868.1
- Spicer Clark-Hurth Power Shift
- Dana Power Shift
- Euclid, Terex, Dresser
- Eaton/Fuller/Tremec/TTC/Dana/Spicer manual transmissions
- Eaton/Vickers M-2950S/35VQ25 Hyd (10W)

Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath, moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

Typical Characteristics - PowerTrans TO-4 Mono-Grade Oils

Properties	Method	Performance		
SAE Grade	-	10W	30	50
Kinematic Viscosity @40°C mm ² /s	ASTM D445	29.8	80.7	170
Kinematic Viscosity @100°C mm ² /s	ASTM D445	5.5	9.98	15.8
Viscosity Index	ASTM D2270	125	103	95
Pour Point °C(°F)	ASTM D97	-36(-24)	-27(-10)	-20(-4)

These characteristics are typical of current production, variations in these characteristics may occur.

Availability and product codes

Pack size	20L pail	205L drum	1,000L tote / Bulk
PowerTrans 10W	TFORZ0013	TFORZ0033	Special Order
PowerTrans 30	TFORZ0014	TFORZ0034	
PowerTrans 50	TFORZ0015	TFORZ0035	
Availability	To order, contact us toll free 855-755-6737 or at orderdesk@nemco.ca		

Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at nemco.ca under 'Safety Data Sheets'. For SDS in French, please contact info@nemco.ca. These materials are WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Avoid discharge into drains, soil, or water. As with any lubricant, keep out of reach of children and animals.

Quality

Nemco Resources Ltd works with respected industry suppliers for lubricant additives and base oils. Nemco is a member of ILMA and the manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001:2015. For questions regarding quality, please contact our Technical Sales representatives.