



## TRAX TO-4 FULLY SYNTHETIC

### PRODUCT DESCRIPTION:

TRAX TO-4 is specially designed for power shift transmissions, final drives and wet brakes on heavy duty off-highway equipment in earthmoving, mining, logging, road transport and agricultural applications. It is blended from premium quality base oils and proven performance additives.

### APPLICATION:

TRAX TO-4 specifically designed to meet the performance requirements of caterpillar TO-4, Komatsu power shift transmissions, ZF torque converter transmissions and Allison C-4 automatic transmission. It is also used for heavy duty manual transmissions, gear boxes, final drives and hydraulic systems used in off highway equipment. Recommended for industrial torque converters and hydraulic systems where such type of fluids is specified.

### FEATURES & BENEFITS:

- Good compatibility with all common seals, O rings, packing materials and clutch materials that leads to reduced downtime.
- Good low temperature fluidity.
- Quick start up of equipment.
- Excellent oxidation resistance and thermal stability for long fluid life.
- Protects against sludge and varnish formation.
- Protects against wear.
- Protects against rust and corrosion
- High shear stability
- Foam resistance

### PERFORMANCE LEVELS: Meets or Exceeds:

- Caterpillar TO-4
- Allison TES 439
- Komatsu KES 07.868.1
- Allison C-4
- ZF TE-ML-03C
- API GL-4

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	TRAX TO-4			
			10W	30	50	60
Grade						
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	5.5	11.0	19.5	26.0
Viscosity Index (min)	ASTM D2270	-	140	140	140	140
Density@15°C/ 60°F	ASTM D4052	g/cm <sup>3</sup>	TBR	TBR	TBR	TBR
Flash Point (min)	ASTM D92	°C	200	200	200	200
Pour Point (max)	ASTM D97	°C	-42	-42	-42	-42

**DISCLAIMER:** The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internol reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at [www.internol.net](http://www.internol.net).

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.