



Super S[®] Super Trac TO-4 Fluid

Super S Super Trac TO-4 Fluids delivers excellent performance in a wide range of hydraulic systems and components using various multi-metal designs. The product also provides effective low and high ambient temperature performance due to high viscosity index. Its' excellent oxidation resistance delivers good performance at higher temperatures and extended operating intervals. High levels of anti-wear protection result in extended equipment life and fewer breakdowns.

Super Trac TO-4 fluids are designed for use in applications calling for a TO-4 or C-4 hydraulic oil, but can also be used in wet brakes, hydrostatic transmissions, torque converters, and hydraulic systems. They are formulated to work in both newly developed and older design drive train components. Lubricants conforming to the TO-4 specification are the preferred factory and service fill fluids for most Cat Hydraulic and Hydrostatic Systems, but are also suitable for other manufacturers' machines recommending oils that pass the Vickers 35VQ25 vane pump test.

SuperTrac TO-4 fluids can impart up to **4,000 hr** drain intervals in well maintained systems monitored by an in-service oil analysis program. The high zinc levels compared to most industrial hydraulic fluids offer improved anti-wear protection along with outstanding water-dispersion. Most industrial anti-wear oils do not contain emulsifiers and are specifically designed to separate water. In colder climates, free water can freeze causing serious damage to the equipment. **SuperTrac TO-4** is designed to hold water in suspension preventing freeze/thaw conditions and eliminating viscosity changes that compromise system protection.

Improved oxidative and thermal stability offer up to a 250% improvement over most industrial hydraulic oils. The improvements in oxidative stability allow for robust protection across a wider temperature range and eliminate the mechanisms that promote corrosion from forming on internal metal components. The specially developed additive package form a protective layer on the wear surfaces, reducing component wear in high-pressure systems. The included defoamer promotes rapid air release, preventing cavitation. Air is released in under 4 minutes far exceeding the 7-13 minutes allowed for most industrial fluids.

SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling as for any petroleum product.

FEATURES/ BENEFITS

- Multi purpose lubricant designed for use in final drives, wet brakes, hydraulic systems, torque converters, and heavy-duty transmissions including hydrostatics
- Available in 4 viscosity grades (10W, 30, 50, 60) to meet varied operating needs
- Excellent oxidation stability and sludge control
- Provides anti wear performance and corrosion protection for gears, hydraulic and pump components
- Controlled friction properties that minimizes chatter in wet brakes, extends clutch life, and eliminates transmission slippage
- Excellent performance in high load operations and also extreme temperatures
- Up to 4,000 hrs protection when monitored by an in-service oil analysis program
- Backwards compatibility and miscibility with most hydraulic fluids allow for reduced stock
- Good protection against oil thickening, high temperature deposits, varnish, and oil degradation
- 250% increase in oxidation stability per ASTM 943 over most hydraulic fluids
- Special detergent dispersants keep components clean and improve transport of contaminants through the filter

RECOMMENDATIONS/SPECIFICATIONS

Super S Super Trac TO-4 Fluid is designed for use in powershift transmissions, wet brakes, final drives, hydraulic systems as well as:

- Caterpillar TO-4 applications
- Allison C-4 applications
- Komatsu-Dresser equipment
- Eaton Fuller Transmissions
- Dana/Spicer Transmissions
- Vickers M-2950S, 35VQ25
- Rockwell transmissions
- Euclid Equipment
- ZF Powershift, ZF TE-ML 03C, 07F

TYPICAL CHARACTERISTICS

Super Trac TO-4 Fluid					
Property	Test Method ASTM -D	SAE Viscosity Grade			
		10W	30	50	60
API Gravity	1298	30.1	28.6	26.4	26.4
Viscosity @-25 °C	5293	5900			
Viscosity cSt @ 40°C cSt @ 100°C	D445	29.1	84.5	188.9	303
		5.0	9.85	17.0	23
VI	2270	95	95	95	95
Flash Point, COC °C/ °F	D 92	210/410	227/440	229/445	229/445
Pour Point, °C/ °F	D 97	-36/-33	-27/-17	-10/8	-7/20

Typical test data are average values only.

Minor variations which do not affect product performance are to be expected during normal manufacturing.

PRODUCT NUMBERS

- SAE 10
- SUS 140 5 gallon pail
- SUS 141 55 gallon drum
- SUS 141Bulk Bulk
- SUS 141Tote 275 Gal Tote
- SAE 30
- SUS 142 5 gallon pail
- SUS 143 55 gallon drum
- SUS 143Bulk Bulk
- SAE 50
- SUS 144 5 gallon pail
- SUS 145 55 gallon drum
- SUS 145Bulk Bulk