

## **SPEC OIL TRANSFLUID TO-4 SAE 10, 30, 40, 50, 60**

### **DESCRIPTION**

These premium quality TO-4 Fluids have been formulated specially for transmissions and drive trains of equipment requiring lubricants having high levels of oxidation stability, the ability to reduce gear wear plus improved friction properties and elastomer compatibility.

### **APPLICATION**

Although these oils have been classified in terms of SAE Engine Oil viscosity ratings, they have mainly been formulated for transmissions and drive trains. This, with the development of more specialized drive trains, coupled with the legislation being imposed on diesel engine exhaust emissions in the USA and Europe, the need for specialized lubricants has superseded the convenience of multi-purpose lubricants.

### **PERFORMANCE LEVELS**

Meets the following performance levels:

CATERPILAR TO-4, ALLISON C-4 & KOMATSU MICRO CLUTCH (KES OT. 868.1)

They can also be used successfully in transmissions requiring the following levels of performance ZF-TE-ML 01, 03 and EATON FULLER.

Passing results are obtained in MAC Transmissions CRCL-60-1 and API MT – 1 Specifications.

This oil demonstrates API CF and CF2 performance which is useful in the event of misuse in diesel engines.

EATON-FULLER, DANA, EUCLID, VICKERS M-2950-5, SPERRY VICKERS / EATON 1-280-5, TREMAC / TTC OR API CF2

### **BENEFITS**

- Improved oxidation stability for power shift transmissions.
- Reduces gear wear.
- Superior frictional properties for drive trains.
- Better elastomer compatibility.
- Reduce brake noise.

# SPEC OIL

## KEY PROPERTIES

TYPICAL PHYSICAL CHARACTERISTICS	10	30	40	50	60
Viscosity Cst @ 40 °C	36	94	144	236	320
Viscosity Cst @ 100 °C	6	10.9	14.5	19.5	24.1
Viscosity Index	103	99	97	96	96
Pour Point C (Max)	-35	-30	-18	-6	-6
Flash Point C (Min)	200	205	232	232	232
Density @20 °C KG L	0.884	0.901	0.906	0.907	0.907