



## **G-Special TO-4 10W**

## **G-Special TO-4 30**

### **Description**

Produced from mineral base oils and progressive additive system hydraulic and gear oils **G-Special TO-4 10W, 30** are designed for power shifting transmissions, main gears, hydrostatic transmissions and fluid-power systems. They are developed for use in specialty vehicles and open pit mining equipment. The state-of-the-art lubricant technology delivers outstanding wear resistance. The products feature elastomer compatibility and meet the strictest requirements of Caterpillar TO-4 and Allison C-4.

### **Benefits**

- Excellent anti-friction performance minimizes clutch slipping and provides smooth noiseless braking
- Optimum mechanical characteristics ensure long life
- High corrosion protection prevents rust and cavities formation
- Optimum low temperature characteristics
- Stable viscosity is maintained throughout the oil-change interval.

### **Applications**

- Hydraulic and hydrostatic drive systems, powershift transmissions, hydro mechanical and manual gearboxes, final drives, main gears, and brake and steering systems, where Caterpillar TO-4 or Allison C4 specifications fluids are recommended.
- Due to TO-4 different requirements for anti-friction characteristics, the products are not recommended for use in equipment where UTTO lubricants are needed.

### **Specifications and Approvals**

**G-Special TO-4 10W, 30 oils comply with:**

- ZF TE-ML 03C, 07F
- Caterpillar TO-4
- Allison C-4
- Komatsu KES 07.868.1
- API CF/CF-2

## Typical Properties

### G-Special TO-4 10W, 30

|  |             |      |      |
|--|-------------|------|------|
| Viscosity                                  |             | 10W  | 30   |
| • cSt @ 40°C                               | ASTM D 445  | 37.4 | 105  |
| • cSt @ 100°C                              | ASTM D 445  | 6.1  | 11.3 |
| VI   | ASTM D 2270 | 111  | 92   |
| Flash Point, COC, °C                       | ASTM D 92   | 226  | 244  |
| Pour Point, °C                             | ASTM D 97   | -36  | -30  |
| Specific Gravity, kg/m <sup>3</sup> @ 15°C | ASTM D 1298 | 887  | 899  |

## Health and Safety

When used as directed, G-Special TO-4 10W, 30 oils have no adverse effects either on health or environment. Beyond normal hygiene no special precautions are required. Avoid contact with skin. Wear protective gloves. In case of contact, flush immediately with water and soap. For more information please refer to the Safety Data Sheet.

## Reduced Environmental Impact

Place used product in an appropriate waste disposal container. Dispose via a licensed waste disposal contractor. Do not discharge waste lubricant into groundwater, watercourses, soil, sewerage or drainage systems.