

## TECHNICAL DATA SHEET

# ITR GEAR HP4

ITR GEAR HP4 oil is recommended for conventional (manual) transmissions, differentials, final drives and other gear cases of trucks, buses, cars, farm tractors and earth moving equipment where extreme pressure, hypoid or multi-purpose gear oils of GL-4 performance level are required. These oils are blended from selected base stocks and contain special additives to provide extreme pressure, anti-rust corrosion characteristics.

### PERFORMANCE STANDARDS

- API Service GL 4
- IS: 1118-1957 (Reaffirmed 1993)
- UK Defense CS 3000A  
US military MIL-L-2105

### TYPICAL CHARACTERISTICS OF SAE 80W-90

- Kinematic Viscosity @ 40 °C (ASTM D 445): 130-150
- Kinematic Viscosity @100 °C (ASTM D 445): 16.0-17.0
- Viscosity Index (ASTM D 2270): >125
- Low Temperature Viscosity by Brookfield viscometer: < 1,50,000 cP at -26 deg.c
- Pour point (ASTM D 97): <-30
- Flashpoint (ASTM D 92 & 93): >220

### TYPICAL CHARACTERISTICS OF SAE90

- Kinematic Viscosity @ 40 °C (ASTM D 445): 170-190
- Kinematic Viscosity @100 °C (ASTM D 445): 18-18.5
- Viscosity Index (ASTM D 2270): >110
- Low Temperature Viscosity by Brookfield viscometer: NA
- Pour point (ASTM D 97): <-18
- Flashpoint (ASTM D 92 & 93): >240

### TYPICAL CHARACTERISTICS OF SAE85W-140

- Kinematic Viscosity @ 40 °C (ASTM D 445): 280-300
- Kinematic Viscosity @100 °C (ASTM D 445): 27.0-28.0
- Viscosity Index (ASTM D 2270): >125
- Low Temperature Viscosity by Brookfield viscometer: < 1,50,000 cP at -12deg.c
- Pour point (ASTM D 97): <-24
- Flashpoint (ASTM D 92 & 93): >230

### TYPICAL CHARACTERISTICS OF SAE140

- Kinematic Viscosity @ 40 °C (ASTM D 445): 340-360
- Kinematic Viscosity @100 °C (ASTM D 445): 32-32.5
- Viscosity Index (ASTM D 2270): >110
- Low Temperature Viscosity by Brookfield viscometer: NA
- Pour point (ASTM D 97): <-18
- Flashpoint (ASTM D 92 & 93): >230