

# TEXOL

## Chemical

### *Technical Data Sheet*

#### **Texol Grease™ WH 1**

Fully synthetic extreme pressure inorganic silica grease

#### **Product Description**

Texol Grease™ WH 1 Grease is a very unique high temperature grease. The inorganic silica thickening system and polyalkylene glycol ( PAG ) base oils have very good high temperature stability and provide a low coefficient of friction. Texol Grease™ WH 1 has good extreme pressure properties and provides good bearing protection under heavy loads, shock loads and high temperatures. Texol Grease™ WH 1 Grease is recommended for use in the temperature range of -40°C to 260°C.

#### **Applications and Uses**

- Typical industrial and mobile equipment applications are anti-friction bearings, low and high speed journal bearings, general machinery lubrication, all chassis points including ball and universal joints, wheel bearings, flywheel bearings, king pins, fifth wheels and other severe duty applications

#### **Features and Benefits**

- |                                  |                              |
|----------------------------------|------------------------------|
| • Inorganic silica thickener     | No gum at high temperature.  |
| • Excellent thermal stability    | Extended lubrication cycles. |
| • Heat, shear and work stability | Minimal physical changes.    |
| • Anti-wear properties           | Reduces friction and wear.   |
| • Extreme pressure properties    | Resists shock loads.         |

#### **General Description**

Texol Grease™ WH 1 Grease is a extreme pressure, water resistant lubricant manufactured with polyalkylene glycol base oils, an inorganic silica thickener and rust and oxidation inhibitors. It provides outstanding film strength, adhesive properties, superior wear protection in heavily loaded and shock-load conditions. This product provides excellent lubrication over a wide range of operating conditions.

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#### **Characteristics**

NLGI Grade	1	
Penetration, worked ( 60 strokes ) mm/10	320	ASTM D217
Base oil viscosity at 40°C, cSt	250 mm <sup>2</sup> /s	ASTM D445
100°C, cSt	37.7	
Viscosity Index ( Base Fluid )	226	ASTM D2270
Base Fluid Type	Polyalkylene glycol	
Thickener Type	Inorganic silica	
Colour	Off-white	
Dropping point °C	non-melting	ASTM D2265
4-Ball EP Test, Weld Load, kg	315	ASTM D2596
Useful Temperature Range °C	-40 to 260	