



# PRODUCT DATA SHEET

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## TEXAS TEXGEAR SERIES

Premium Industrial Gear Oil

### DESCRIPTION

Texas Texgear is a range of premium industrial gear oils with extreme-pressure performance and outstanding load-carrying properties. It is specially blended with selected high-quality base stocks and effective sulphur-phosphorus additive system. Texas Texgear oils provide superior protection and performance over conventional gear lubricants.

All Texas Texgear grades exhibit outstanding foaming characteristics and demulsibility. The high-quality base stocks ensure improved thermal stability and superior resistance to oxidation. These products are compatible with ferrous and non-ferrous metals commonly found in industrial gear systems and at the same time provide excellent corrosion protection.

Texas Texgear industrial gear oils are available in a wide range of viscosity grades for various applications and conditions.

### PERFORMANCE STANDARDS

- US Steel 224
- David Brown S1.53.101(E)
- AGMA 9005 – D94
- DIN 51517 Part 3

### BENEFITS

- Outstanding load-carrying capability
- Good demulsibility and foam control characteristics
- Excellent wear control
- Superb lubrication performance in all operating conditions
- Compatible with “yellow” metals in the gear systems
- Protect against rust and corrosion
- Superior thermal and oxidation stability

### TYPICAL APPLICATIONS

- Texas Texgear is recommended for the circulatory and bath lubrication of spur, helical and worm-type industrial gears with operating temperatures below 120°C. In system that incorporates electric heaters for rapid warm-up, it is important to avoid high heat input rates. Heat fluxes in excess of 15kW/m<sup>2</sup> are likely to cause separation of additives, which will affect the oil's lubrication performance.

### TYPICAL PROPERTIES

Grade	68	100	150	220	320	460	680
Density, kg/litre @15°C	0.875	0.884	0.890	0.895	0.896	0.901	0.920
Kinematic Viscosity, mm <sup>2</sup> /s @40°C	67.5	99.5	144.7	220	314	460	680
Kinematic Viscosity, mm <sup>2</sup> /s @100°C	8.7	11.3	14.5	19	24	30.5	37.5
Viscosity Index	100	99	98	97	97	96	91
Pour Point, °C	-18	-15	-15	-15	-12	-9	-6
Flash Point COC, °C	234	236	242	248	248	250	264
Timken OK Load, lb.	60	60	60	60	60	60	60
FZG, Pass Load Stage	12	12	12	12	12	12	12
Rust Prevention	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Typical properties do not constitute as specifications. Texas Petrochemical reserves the right to amend and change the information herein without notification as a result of continual product research and development.