

Technical Bulletin

Plurasafe® WS 100 GL Gear Lubricant



Plurasafe® WS 100 GL Industrial Grade Gear Lubricant is an extreme pressure lubricant especially designed for the heavy duty use in the industrial sector.

Plurasafe WS 100 GL Industrial Grade Gear Lubricant offers improved performance over conventional petroleum oils and other hydrocarbon based or synthetic industrial grade lubricants. Plurasafe WS 100 GL Industrial Grade Gear Lubricant provides excellent lubricity, high viscosity indexes and increased thermal and oxidative stability. Plurasafe WS 100 GL Industrial Grade Gear Lubricant is blended to have an ISO viscosity grade of 100 to meet your lubrication requirements.

Elastomer Compatibility

Plurasafe WS 100 GL Industrial Grade Gear Lubricant is compatible with common elastomers used in seals and gaskets. The following elastomers are compatible - Viton, Buna N, silicone, EPDM, EPR, Butyl Rubber, Neoprene and natural black rubbers.

Applications

Plurasafe WS 100 GL Industrial Grade Gear Lubricant can be used in all types of gearboxes up to several horsepower. It is also suitable as bearing oil for medium to high load carrying bearings.

Typical Physical Properties* of Plurasafe® WS 100 GL Industrial Grade Gear Lubricant

Viscosity @ 40°C	100
Viscosity @ 100°C	19.3
Viscosity Index	217
Density	1.04
Pour Point, °C	-54 C
Flash Point, °C	302

Typical Performance Properties* of Industrial Grade Gear Lubricant Plurasafe® WS 100 GL

Four Ball Wear Test	0.35 mm
Four Ball EP Test Weld Load	200 Kg
Load Wear Index	50.3
Rust Prevention D665A	Pass
Copper Corrosion D130	1B
FZG Pass Stage	12+
Oxidation Stability 312 Hours @ 121° C Viscosity Change % Precipitation Number, mL	5.6 0.00

*Property values listed are representative values and are not specifications.

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