

# Technical Bulletin

## Plurasafe<sup>®</sup> WS 220 GL Gear Lubricant



Plurasafe WS 220 Industrial Grade Gear Lubricant is an extreme pressure lubricant especially designed for industrial applications where medium to heavy load on gears is expected.

Plurasafe WS 220 Industrial Gear Lubricant offers improved performance over conventional petroleum oils, food grade white oils and other hydrocarbon based synthetic lubricants. Plurasafe WS 220 Industrial Gear Lubricant provides excellent lubricity, high viscosity indexes and oxidative stability.

### Elastomer Compatibility

Plurasafe WS 220 Industrial 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 220 Industrial 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.

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Typical Physical Properties* of Plurasafe <sup>®</sup> WS 220 Industrial Gear Lubricant	
Viscosity @ 40°C	220
Viscosity @ 100°C	40.6
Viscosity Index	239
Density, @ 20°C, g/mL	1.05
Pour Point, °C	-43
Flash Point, °C	289

Typical Performance Properties* of Plurasafe <sup>®</sup> WS 220 Industrial Gear Lubricant	
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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