



CITGO PACKGARD 220

Date 4/15

DESCRIPTION: CITGO PackGard 220 is specifically designed for packing lubrication of reciprocating, positive displacement well service plunger pumps utilized in oil and gas production.

BENEFITS: CITGO PackGard 220 offers:

- Excellent metal wetting (preferential to water) and extra adhesiveness for more effective lubrication
- Full Extreme Pressure (EP) wear protection, optimized with emulsification properties, guards against wear in high moisture conditions
- Rust and corrosion protection
- Antifoam, high viscosity index, low pour point and excellent stability over a wide range of conditions

APPLICATIONS: CITGO PackGard 220 is recommended for and meets general packing lubricant requirements of well service plunger pump manufacturers including FMC Technologies, Gardner Denver, and Weir Oil & Gas.

TYPICAL PROPERTIES:**CITGO PACKGARD 220**

ISO Grade	220
Material Code	633223001
Gravity, ASTM D 4052, °API	28.8
Density, lb/gal at 60°F	7.35
Flash Point, ASTM D 92, °F (°C)	388 (198)
Viscosity, cSt at 40°C	223
100°C	20.4
Viscosity Index	109
Pour Point, ASTM D 97, °F (°C)	-11 (-24)
Copper Corrosion, ASTM D 130	1A
Rust Test, A&B, ASTM D 665	Pass
Timken EP Test, ASTM D 2782, lbs.	65
Falex Load Test, ASTM D 3233, ft-lbs.	>2000
Steam Emulsion Number, seconds	>1200