



Glass Machine Oil 220

Dyna-Plex 21C® Glass Machine Oil 220 is a high-quality, high-performance lubricant specifically designed for demanding industrial paper machine circulating systems. It is engineered to provide exceptional lubrication qualities while protecting system components from rust and corrosion. This is particularly important in the wet-end where water and chemical contaminants can enter the lubrication system. It is also formulated to provide maximum protection of gears and bearings operating under severe conditions. It exhibits good viscosity characteristics allowing reduced start-up to production times while maintaining excellent viscosity characteristics at high temperatures. It provides excellent resistance to oxidation and thermal degradation, exceptional protection against rust and corrosion, and a high level of anti-wear performance.

Dyna-Plex 21C® Glass Machine Oil 220 is formulated with select high-quality base oils and a proprietary advanced technology additive system carefully balanced to attain high performance standards. These fluids permit the use of high steam pressures, temperatures and machine speeds common in high output paper machines. Its outstanding demulsibility and filterability assure excellent performance in the presence of water and the ability to retain effective filtration even at very fine filtration levels. It readily separates water and retains its color characteristics for extended periods of operation.

Dyna-Plex 21C® Glass Machine Oil 220 has proven its performance capabilities in modern high-output paper machine lubrication. Its excellent performance properties in the areas of wear protection, enhanced oxidation stability, chemical stability, effective rust and corrosion protection, color stability, and filterability help to extend maintenance service intervals. This results in less required maintenance, longer equipment life and increased production capacity.

Features	Advantages and Potential Benefits
Exceptional Wear Protection	Improved bearing and gear performance
Outstanding Oxidation and Thermal Stability	Longer oil life Lower filter replacement costs Cleaner systems Reduced system deposits
Effective Water Separation Properties	Allows easier removal of water Reduces formation of emulsions in systems
Good Anti-Fatigue Performance	Reduces fatigue failures of bearings and gears
Excellent Filterability	Keeps oil lines and flow control mechanisms free of deposits Improved oil flow and cooling performance Lowers filter replacement costs
High Level Rust and Corrosion Protection	Protects gears and bearings in wet environments Provides vapor space protection for areas of bearing and gear cavities above normally oil- wetted surfaces

APPLICATIONS

- Lubrication of industrial paper machine circulating systems
- Application involving circulation systems operating over a wide temperature range
- Systems that must be started and brought on line quickly
- Circulation systems' lubricating gears and bearings



Typical Properties

Dyna-Plex 21C® Glass Machine Oil	220
ISO Viscosity Grade	220
Viscosity, ASTM D 445	
cSt @ 40° C	220
cSt @ 100° C	19.0
Viscosity Index, ASTM D 2270, min	95
FZG 4-Square Load Support, DIN 51354, fail stage	12
Demulsibility, minutes to 3 ml Emulsion at 82° C	20
Rust Characteristics, Proc A and B, ASTM D 665	Pass
Foam Sequence Tendency, ASTM D 892, ml,	
I	10/0
II	30/0
III	10/0
Copper Strip Corrosion, 3 h @ 100° C, ASTM D 130, rating	1A
Pour Point, °C, ASTM D 97	-6
Flash Point, °C, ASTM D 92	260
Specific Gravity 15.6° C/15.6° C, ASTM D 1298	0.889

HEALTH AND SAFETY INFORMATION

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet.

IO-19/04.21.17