



Technical Bulletin

from the Research & Development Laboratories of SWEPCO Lubricants

Notes from the Lab:

SWEPCO 130 POLYUREA GREASE!

Polyurea based greases have been around since the 1970's and have been slowly finding their place in the world of lubricating greases. Early on these greases were used for lubrication- for-life applications such as water pumps and alternators on cars due to their natural oxidation and corrosion resistance. Polyurea based grease will typically shear down during use to reduce fluid resistance and then return to the original viscosity when the shear is removed.

For example, when a bearing is stationary the grease will be an NLGI #2. Once the bearing starts to move it will shear down to an NLGI #1 or #0 depending upon speed, load, and temperature. When the bearing stops, the grease returns to an NLGI #2. The reduction of fluid friction will translate into reduced energy consumption and costs.

SWEPCO 130 Polyurea Grease has a wide operating temperature range of -5°F (-20°C) to 450°F (232°C) and is ideal for centralized systems. SWEPCO 130 can be easily pumped in all kinds of weather.

SWEPCO 130 has excellent water and corrosion resistance. It will replace water on metal surfaces and is safe for use with yellow metals such as copper, bronze, and brass.

SWEPCO 130 is the preferred lubricant for low noise applications where solid additives may interfere with bearing life sensors or sensitive electronic equipment.

SWEPCO 130 is ideal for fans, spindles, electric motor applications, and areas where infrequent lubrication occurs.

SWEPCO 130 Polyurea Grease is recommended for:

- Wet and dirty applications.
- High speed and high temperature areas.
- CV Joints, U-Joints, chassis, and other automotive applications.
- Conveyor belts, chain pulleys, sheaves, and bearings.
- Steel mills, sawmills, general manufacturing.
- Centralized systems and on-board lubrication systems.

- No heavy metals, safe to use in non-food contact areas.
- Compatible with other Polyurea greases.

Note: SWEPCO 130 is NOT compatible with other greases, the old grease must be purged or cleaned out when switching to SWEPCO 130 Polyurea grease.

SWEPCO 130 Polyurea Grease is another high quality, high performance lubricants formulated to *keep it running...™!*

John Barnes

SWEPCO

Manager of Research, Development, and
Customer Service

SAE, STLE, NLGI, SEMA, ILMA