



### ***What is Fastex?***

Fastex is a Surface Modifier that incorporates advanced Nano Technology to super charge regular mineral oils and greases. It can be supplied as a 5% additive to existing oil, blended into our greases, or provided as a premixed solution to 55 gal. drums of oil (which provides the characteristics of a semi-synthetic oil). All of our applications are supported technically via 3<sup>rd</sup> party test results and published industrial data.

### ***How does it Work?***

Chemically, Fastex is attracted to any warm metal surface (122° F) or higher. Fastex then seeks out this hot metal surface caused by friction and bonds itself to it. This provides a microscopic layer of protection so the metal surfaces never touch. When the Fastex wears off the metal surface and the temperature begins to rise, the Fastex in the host oil seeks out the heated surface and attaches itself to the metal, keeping it protected at all times.

### ***What's unique about Fastex?***

Fastex is the only surface modifier (used in oils and greases) on the market that chemically bonds to metal and contains all of the following:

**EXTREME PRESSURE ADDITIVE** protects lubricants from breaking down in high pressure applications, such as gear to gear tooth contact.

**ANTI WEAR ADDITIVE** cleans the metal surfaces of sludge, varnish and corrosive elements and repels the build-up of this type of debris.

**ANTI FRICTION ADDITIVE** reduces friction as the metals make contact, thus lowering the coefficient of friction and generated heat of machinery.

### ***How does it benefit me and lower my costs?***

- **Lowers temperatures and amperage draw.**
- **Reduces noise and vibration – reduces friction and wear.**
- **Extends oil life.**
- **Reduces start up damage and wear.**
- **Extends equipment life, protects against rust.**

- **Can lower overall plant power usage by 5 to 7%**
- **Minimizes down time.**
- **Reduces waste oil disposal costs.**
- **Minimizes varnish and sludge buildup.**