



# 800 POLYMER

- **IS A VISCOSITY IMPROVER**
- **FOR HYDRAULIC OILS**
- **FOR MOTOR OILS**
- **FOR GEAR OILS**
- **FOR NEW OR OLD EQUIPMENT**
- **ECONOMICAL MIXING RATIOS**

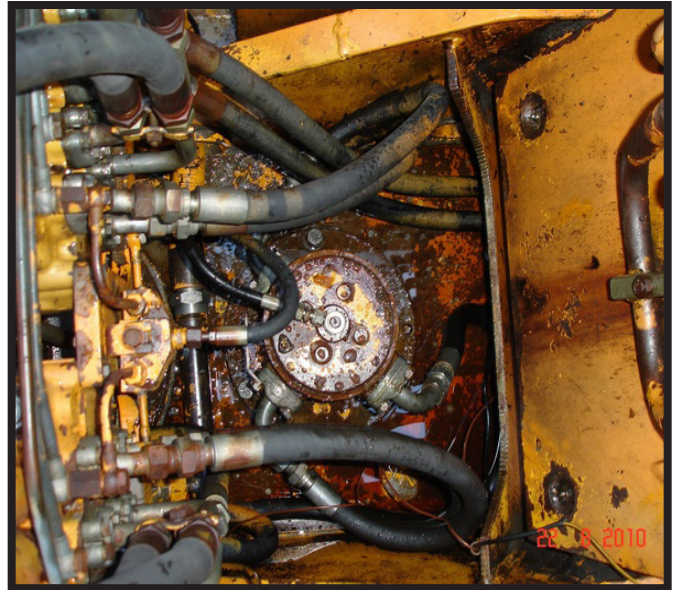
800 POLYMER is a viscosity improver that blends readily with many different types of fluids. It is designed to provide an improvement in the body or viscosity of the oil to solve a problem. 800 POLYMER is often used in areas where an improvement in the oil's viscosity may help. 800 POLYMER is a synthetic product which mixes completely with oils and become part of the oil.

## **800 POLYMER Is A Viscosity Improver**

800 POLYMER can help reduce noise and provide extra film strength by improving an oil's body and viscosity. The viscosity improvement helps to protect against metal contact, friction and heat. This, in turn, helps to reduce noise and to improve lubrication. The reduced friction and reduced heat improves component life and allows the lubricant to enjoy longer life because of reduced thermal degradation. Remember, the ability to reduce heat can significantly improve a lubricant's life.

## **800 POLYMER For Hydraulic Oils**

Most often the reason for 800 POLYMER usage in hydraulic systems is to help reduce leakage. The tackiness imparted by 800 POLYMER helps to retard leakage. By adding 800 POLYMER to an SAE 10 hydraulic oil to boost viscosity, you can cut down on leakage. At the same time have a hydraulic oil with a lower pour point than if you used an SAE 20 hydraulic oil in the system. The SAE 10 hydraulic oil with 800 POLYMER could be considered an all-weather type product with a wider temperature operating range.



## **800 POLYMER For Motor Oils**

With motor oils the 800 POLYMER can increase the viscosity in such a fashion to make it perform better in higher temperatures. For example, you may be running a straight 30 weight oil and discover by adding 800 POLYMER the motor oil then performs better at higher temperatures. The oil might start performing like an SAE 40 motor oil at those higher temperatures. This will also reduce leakage in bad seals as well as improve the fluid film lubrication and protect the bearings. Do not add 800 POLYMER to a dirty engine oil. The engine oil and filter should be changed prior to the addition of the 800 POLYMER.

## **800 POLYMER For Gear Oils**

In gear box applications the 800 POLYMER is usually added to reduce leakage. However, depending on the amount of product added you could actually make the gear lubricant perform over a wider range of temperatures. For example, if you had an ISO #220 gear lubricant and then you found an application for an industrial gear lube ISO #320 you could simply add the proper amount of 800 POLYMER to the ISO #220 gear lube and achieve increased viscosity necessary to perform as an ISO #320. This could help reduce inventories in an industrial plant.

## 800 POLYMER For Old And New Equipment

Using 800 POLYMER is not reserved to old equipment only. It can help to preserve the new-like performance you have with a newly acquired piece of equipment. If you reduce friction wear, you help cut out costly rebuilding and replacing expenditures. The addition of 800 POLYMER to older equipment will keep it performing longer and less expensively due to its ability to act as a "shot in the arm" to a lubricant. Many lubricants can lose their original viscosity under stress. 800 POLYMER helps return the lubricant to its original state faster and saves wear and tear on the moving parts. 800 POLYMER protects by improving tackiness and improving the viscosity of the lubricant.

## 800 POLYMER Has Economical Mixing Ratios

For best mixing 800 POLYMER should be added when the oil is warm or hot. The mixing ratio is as follows:

For hydraulic oil mix 6 ounces per gallon

To motor oils mix 8 ounces per gallon

For gear lubes mix 10 ounces per gallon or  
1.5 ounces per pound.

These ratios will boost the viscosity slightly and economically without excess dilution of important chemistry like anti-wear or extreme pressure.

# SPECIFICATIONS

## 800 POLYMER

Product Code #6420

Physical Form	Pale Yellow Liquid
Specific Gravity at 60°F.	0.88
Density, lbs./gal.	7.3
Viscosity at 100°F., SUS	22,000
Viscosity at 210°F., SUS	3,000
Pour Point, °F.	15
Flash Point, °F., COC	385
Solubility in Water, Wt. %	0.01
Solubility in Oil	Completely Miscible

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

**Toll Free: 1-800-827-0711**  
**Toll Free Fax: 1-800-582-3329**  
**www.texasrefinery.com**  
**E-mail: lube1@texasrefinery.com**

## TEXAS REFINERY CORP

Fort Worth, Texas  
Toronto, Ontario • Moose Jaw, Saskatchewan