



HYDRAULIC TREATMENT WITH PTFE

EnerFreeze HYDRAULIC TREATMENT WITH PTFE Helps Improve Hydraulic System Performance While Minimizing Maintenance Issues and Extending Useful Life

Our hydraulic Treatment with PTFE offers your company time-proven world-wide performance.

- Our PTFE treatment formulas originated in 1976.
- Our treatments have been used worldwide for protection performance beyond normal lubrication.

Why is this important?

- To remain competitive, companies must revise maintenance and cost management by addressing maintenance, operating and purchasing costs for heavy equipment and fleets.
- "Sustainability" becomes critical, with replacement of equipment cycles in the 9 to 12 year range and longer.

Our PTFE treatment formulas allow management teams to meet sustainability goals while reducing maintenance and operating costs.

How?

- Our PTFE, like "wet ice on wet ice" (*Guinness Book of World Records*), helps industrial equipment and fleets operate more efficiently with less maintenance cost.

Bottom line:

- With extended replacement cycles calling for longer retained ownership, your ROI (Return On Investment) is short.



Benefits

- Reduced wear, heat & stress
- Reduced noise
- Reduced maintenance
- Reduced vibration
- Reduced cavitation
- Quiets noisy cylinders

EnerFreeze Canada Inc.
5000 Yonge Street, Suite 1901
Toronto, Ontario, M2N 7E9 CANADA

(416) 800 0495 ext 130
email: info@enerfreeze.ca

HYDRAULIC TREATMENT with PTFE

Benefits:

- Reduced friction and wear
- Increased life
- Reduced heat and stress
- Improved performance
- Reduced maintenance
- Reduced cavitation
- Reduced energy consumption
- Reduced noise
- Protection against corrosives
- Longer fluid life

PTFE Treatment Applications

Designed to protect friction surfaces with PTFE, like “wet ice on wet ice” (*Guinness Book of World Records*), a substitute wear surface that reduces friction, wear and friction’s heat while increasing energy efficiency, prolonging life and trouble-free operation.

- After application, the lubrication system carries treatment to lubricated friction surfaces.
- Metal preparation chemistry’s surfactants reduce surface tension of gums and varnish on friction surfaces, preparing the friction surfaces for PTFE treatment.
- Bonding agents work with mechanical action to fuse micro-thin PTFE treatment onto friction surface high points.

Now friction components glide on long-lasting PTFE protection, reducing wear from 30% to 90%.

Safe, Effective Protection

Advanced technology provides PTFE that suspend easily in carrier oils and pass readily through standard filters. Many years of development produced the metal preparation, blending, suspending and bonding formula with specialized high molecular weight PTFE chosen for high tensile strength and stiffness, greater fracture resistance and improved flex strength life.

PTFE treatments utilize chemically inert PTFE, do not contain harmful components, do not compromise host oil characteristics or friction component critical tolerances. EnerFreeze is safe and effective.

Applications

Hydraulic pumps, motors, etc.

Directions

1. If needed, drain oil from hydraulic system to allow addition of the recommended amount of Hydraulic Treatment without overfull. (See **Usage Ratio** below.)
2. Shake well, add Hydraulic Treatment while system is operating, or start system immediately to assure proper blending.

Usage Ratio

One (1) part Hydraulic Treatment to ten (10) parts hydraulic fluid.

Note: Hydraulic Treatment is a metal treatment, not an oil treatment. Therefore, ratio may vary with extremes in reserve oil capacity.

Characteristics *

Boundary Lubricant	PTFE
Flash Point. (ASTM D 92).....	180° C
Viscosity	
ISO Viscosity Grade.....	.32
CST @ 40° C.....	27.15
CST @ 100° C.....	5.03

* Characteristics applying to carrier oils may vary slightly.