

Pro-One Solutions for Australia

INDUSTRY: Engineered Timber Product

APPLICATION: Triplex chain drive

PRODUCT: XPL-101 Penetrating Lubricant

OVERVIEW:

If chain was not lubricated, motor would trip out bringing production to a halt and 1 hour of lost time in recovery.

PROBLEM:

Chain lube used previously needed to be re-applied every 2 days. If the lubrication was not applied (resulting in high rates of friction) the current draw on the drive motors would exceed safety limits. This caused the motor to cut out and production to stop



Pro-One Solution:

- XPL-101 Pro-One Penetrating Lubricant applied to chain – application volume reduced by 80% (less product used with better outcomes)
- Reduction in friction resulting from the use of a superior lubricant ensured drive motors were not overloaded avoiding costly failures.
- Motor current draw was originally running at 14 Amps now reduced to just 7 Amps after XPL-101 applied.

Savings Breakdown:

- Lubricant application cycle down from 7 times per fortnight to only 1 = \$50 every 2 days saving = \$350 savings over a 2-week period or \$8,400 a year. (48 production weeks)
- No more interruptions on the production line with elimination of lubrication related lost time.
- Motors running within safe tolerance and more efficiently (less repairs needed / less power consumption).
- Maintenance staff have more time to focus on other areas of the plant.

Pro-One savings \$8,400 per year*

(*Increased chain life, power savings, less maintenance and improved output not included)

XPL-101

Without XPL+
@ 4,000psi

With XPL+
@ 200,000psi



50 TIMES MORE POWERFUL



XPL+ VS ORDINARY LUBRICANTS

Typical lubricants tend to migrate away from heat sources but XPL+ has a positively charged molecule structure with a strong ionic (+) charge which allows it to bond to metal even under extreme heat & pressure, giving lubricants formulated with XPL+ unprecedented film strength & extreme pressure protection.

TYPICAL SPRAY LUBRICANT



CHARGE	-	+
BONDING OR FLOWING	FLOWING	BONDING
REACTION TO HEAT & PRESSURE	MIGRATES AWAY	MIGRATES TOWARDS
FILM STRENGTH	LIMITED	EXTRAORDINARY
ENVIROMENTALLY FRIENDLY	NO	YES