

# Customer Testimonial



## Wirelife® Monolec® Penetrating Lubricant (2001)

*Macuch Steel Products, Inc. – Augusta, Georgia*

### *Shear Line Chains*

- Extended relubrication time from one week to two months
- Reduced estimated relubrication downtime from 96 hours per year to six hours per year
- Eliminated 360 hours of daily maintenance calls per year

#### *Customer Profile*

Founded in 1948 in Augusta, Ga., Macuch Steel Products, Inc. is committed to providing a quality product at a competitive price using its diverse construction knowledge. Macuch assists customers in project requirements from design-build engineering to complex retrofitting.

#### *Application*

Macuch uses shear line chains to move rebar through production.

#### *Challenge*

The maintenance manager responded to three or more maintenance calls a day to the shear lines. The chains were very noisy. They continually kinked, ran dry and jumped the sprocket, despite the crew spraying the sprockets and chains with five 20-oz cans of WD-40® per week. These maintenance calls resulted in an average downtime of 30 to 60 minutes apiece. Conservatively, this totaled an average of 7.5 hours per week, 30 hours per month, or 360 hours per year of maintenance downtime.

The maintenance manager wanted to eliminate this downtime and the persistent calls to fix the shear line chains. He asked Mark D. Jones, one of LE's MLT-1 certified machinery lubrication consultants, if LE had a product that would solve his problem.

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**Macuch Steel  
Products, Inc.**



#### *Solution*

Mark Jones recommended LE's Wirelife® Monolec® Penetrating Lubricant (2001) for the shear lines. He also gave the maintenance manager the LE presentation on developing a World Class Lubrication Reliability Program (WCLRP).

#### *Results*

The maintenance crew sprayed on Wirelife Monolec Penetrating Lubricant using the same technique as they used with the previous lubricant. During the first couple of weeks, they closely watched the chains. They noticed there was no more noise, and the chains ran more efficiently. The chains no longer kinked or jumped the sprocket and were cleaner than before the lubricant switch. Daily maintenance calls were no longer necessary.

Now, they re-lubricate the chains every two months (instead of weekly), and it takes only 30 minutes to do, saving at least 90 hours of downtime per year.

#### *Other LE Products Used*

- Pyroshield® Open Gear Lubricant (5180)
- Quinplex® Penetrating Oil & Lubricant (4059)
- H1 Silicone Spray (804)
- LEAP<sup>SM</sup>, Lubrication Engineers Analysis Program



**The Lubrication Reliability Source™**

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*Thank you to the maintenance manager, and the rest of the management of Macuch Steel, and to Mark D. Jones, LE lubrication consultant (pictured), for providing the information used in this report. We applaud the maintenance manager for establishing the foundation for a World Class Lubrication Reliability Program. His goals for further developing the program include setting up an oil analysis program, a lubrication filtration program and training classes for the entire maintenance team.*

