

**2001 MONOLEC® WIRE ROPE LUBRICANT**  
**MACUCH STEEL PRODUCTS, INC., Augusta, Georgia**  
 Shear Line Chains • SIC 3441 Fabricated Structural Metal

- ✓ **Extended Relubrication Time From 1 Week to 2 Months**
- ✓ **Reduced Estimated Relubrication Downtime From 96 Hours Per Year to 6 Hours Per Year**
- ✓ **Eliminated 360 Hours of Daily Maintenance Calls Per Year**

**CUSTOMER PROFILE**

Macuch Steel Products, Inc. was founded in Augusta, Georgia in 1948. Macuch Steel is committed to providing a quality product at a competitive price using their diverse construction knowledge. They assist customers in project requirements from design-build engineering to complex retrofitting.



Macuch Steel Products, Inc. is a leading manufacturer of shear line chains for the shear lines.

**APPLICATION**

Shear line chains are used to move rebar through production.

**CUSTOMER COST SAVINGS**

LE's 2001 MONOLEC Wire Rope Lubricant was sprayed on using the same technique and personnel. The noise from the chains was eliminated and the chains ran more efficiently. During the first couple of weeks the chains were watched closely. The daily maintenance calls were eliminated. The chains no longer kinked up or jumped the sprocket and were actually cleaner than before. The chains are now lubricated every 2 months and take only a 1/2 hour to relubricate, saving 90 hours of downtime per year.

**AREA OF INTEREST**

Maintenance Manager Tommy Johnson was called 3(+) times a day to the Shear Lines. These maintenance downtime calls would average 30 minutes to 1 hour to fix. This is a conservative average of 7.5 hours per week, 30 hours per month, totaling 360 hours per year of maintenance downtime. The chains continually kinked up, ran dry and jumped the sprocket. The sprockets and chains were sprayed with five 20oz large cans of WD-40 per week.

**OTHER PRODUCTS USED**

- 5180 PYROSHIELD®
- 804 H1 Silicone Spray

**LE SOLUTION**

Tommy Johnson wanted to eliminate his downtime and his persistent calls to fix the Shear Line Chains. He asked LE's MLT-1 Certified Machinery Lubrication Consultant Mark D. Jones if LE had knowledge of a product to solve his chain and sprocket downtime problem. Mark presented LE's solution on developing a *World Class Lubrication Reliability Program (WCLRP)*. After the presentation, Mark recommended LE's 2001 MONOLEC Wire Rope Lubri-

We wish to thank the management at Macuch Steel, Maintenance Manager Tommy Johnson, and LE Lubrication Consultant Mark D. Jones for allowing LE to prepare this report. We at LE applaud Tommy Johnson for setting the foundation towards a World Class Lubrication Reliability Program. Tommy's goals to further develop the program are to set up an oil analysis program, a lubrication filtration program, and training/educational classes for the entire maintenance team.



Mark D. Jones

Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

