

2001 MONOLEC® WIRE ROPE LUBRICANT

TFC RECYCLING, INC., Chester, Virginia

Recycling Conveyor System • SIC 4953 Refuse Systems

CUSTOMER TESTIMONIAL



CUSTOMER PROFILE

TFC Recycling, Inc.—Chester, is part of a regional company that serves the "greater Richmond area", particularly in the counties of Henrico and Chesterfield through contract with CWWMA. This plant recycles old newspaper, cardboard, plastics, aluminum, and other and other grades of paper. They currently process approximately 1,000 tons a week. They have been in business since 2001 and an LE customer since 2005.

APPLICATION

TFC Recycling, Inc. has a recycling conveyor system composed of several chain setups of different pitch sizes. It primarily transfers recyclables for specific sorting. A series of conveyors, all chain driven, move the bulk recycled material to specified areas for further processing.

AREA OF INTEREST

While using a commercial grade lubricant, the chains were quickly loading up with dirt and paper dust. As the chains became heavy with these materials, they would bind and often break. Motors were running hot and would fail prematurely. The mechanics would have to stop the conveyor several times a day to clean, adjust and reset chain on sprocket setups. Because the oil being used was not migrating into the pin and bushing area, starvation and rusting occurred.

LE SOLUTION

LE Lubrication Consultant Dave Smith recommended 2001 MONOLEC® Wire Rope Lubricant. LE 2001 is a penetrating type lubricant that provides superior load carrying capacity and corrosion resistance for cables and chains. It contains petroleum solvent to enhance penetration. When solvent

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evaporates, a thin film of heavy bodied oil remains to protect and lubricate each cable strand and chain pin.

CUSTOMER COST SAVINGS

Maintenance personnel, including the Plant Manager, said the change was remarkable. The first thing they noticed with the LE 2001 MONOLEC® Wire Rope Lubricant was that the chains no longer attracted build up. They also noticed that the pin and bushing area remained lubricated. Not only do they not have to oil the chains every day or two, they only have to spray them once a month. In the two years they have been using LE 2001, there have been no broken chains, and no chains replaced with the associated downtime costs. As a result of smoother running chains, the amount of motor replacements have dropped as well.

Plant Manager Andy Gupton said, ***“I consider that the change to LE products exclusively in our facility has been a significant contributor to the overall success and continuing improvement in productivity, equipment uptime and profitability.”***

OTHER PRODUCTS USED

- 802 Heavy Duty Solvent Degreaser/ Brake Cleaner
- 1608 DUOLEC™ Vari-Purpose Gear Lubricant
- 2059 MONOLEX® Penetrating Oil & Lubricant
- 2410 BTU+ Total Treat Diesel Fuel Improver
- 3752 ALMAGARD® Vari-Purpose Lubricant

Lubrication Engineers Inc. would like to thank Plant Manager Andy Gupton, Lead Maintenance Sabid Dreco and Lubrication Consultant Dave Smith for providing the information used to prepare this report.



Dave Smith