



## Monolec® Multiplex Lubricant (4622)

*Lorbec Metals USA, LTD – Flint, Mich.*

### *Scrap Conveyor*

#### **Customer Profile**

Lorbec Metals USA, Ltd. is in the business of recycling and processing both ferrous and non-ferrous scrap metal. Due to the nature of the business, most of the equipment remains outside year round. They have been an LE customer since January 2001.

#### **Application**

The primary application concern was a scrap conveyor that was used to elevate aluminum scrap from ground level up about twenty feet, where the scrap was dumped into the hopper of a baler. Other applications include a front-end loader, cranes, and the baler.

#### **Challenge**

The volatile Michigan weather can range from a -20°F (-29°C) in the winter to a temperature of 100°F (38°C) in the summer. During the winter months, greasing the outdoor equipment was a problem. The hand pumps were hard to use, as the commercial grease was very stiff. The worst problem was the scrap conveyor that fed the aluminum scrap into the baler. Here the lubrication point had forty feet of lube lines between it and the bearings that needed the grease. During the cold weather it was impossible to get the lube into the bearings. The pins and bearing on the cranes, loader and baler were also a concern since they were not getting adequate lube.

#### **LE Solution**

The local LE lubrication consultant recommended Monolec® Multiplex Lubricant (4622). Monolec 4622 has good mechanical stability, corrosion resistance, extreme pressure performance and a broad temperature range of -40°F to 400°F (-40°C to 204°C). This gives excellent low temperature pumpability and with Monolec, LE's exclusive wear reducing additive, it provides exceptional film strength and proven protection against wear.

#### **Results**

According to Dave Sherbenaut, maintenance supervisor, the equipment is getting properly lubed, for the first time, during the cold winter weather. It was impossible to lube the scrap conveyor with the commercial grease they were using since it would not pump up the 40-foot long grease line. Dave felt the bearings and pins would not last using the commercial product. However, Monolec 4622 was getting the job done like no grease he had ever seen. Dave said, "This is great grease, my grease man really loves it."

*Thank you to Dave Sherbenaut, maintenance supervisor, and to the local LE lubrication consultant, for providing the information used in this report.*



Monolec® is a registered trademark of Lubrication Engineers, Inc.

Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142  
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**800-537-7683**