

# Customer Testimonial



## Quinplex® Food Machinery Lubricant (4024)

**Nebraska Beef – Omaha, Nebr.**

### Air Knives

- **Saves \$400 per week in knife parts**

#### Customer Profile

Nebraska Beef is a complete beef processing plant. They slaughter, process and package various beef products.

#### Application

Throughout the Nebraska Beef operation, Kentmaster air powered knives are used in all phases of the meat packing process.

#### Challenge

While using a commercial grade lubricant in the air powered knives, Nebraska Beef was experiencing one knife failure per day. The knives run at a high rpm, which generates high heat, 180°F (82°C). The knives are constantly in contact with raw meat. The maintenance personnel at Nebraska Beef were interested in a lubricant that could withstand the heat, plus stay in place when constantly coming in contact with water and cleaning solutions.

#### LE Solution

LE's Quinplex® Food Machinery Lubricant (4024) was recommended for this application. It is specifically USDA authorized and rated H1 for the food and beverage industry. It is white, water resistant, resists high temperatures, clings to metal, is rust and corrosion inhibited and mechanically stable. Quinplex 4024 contains Quinplex®, LE's exclusive additive that enhances lubricant performance.

#### Results

Quinplex 4024 is applied through a grease fitting located on the head of the knife. Since switching to Quinplex 4024, air operated knife bearing failure has been reduced from one failure per day to one failure per week. The cost of a new



bearing is \$100. Jim Smith, plant engineer, estimates that Quinplex 4024 has saved Nebraska Beef \$400 per week in air knife parts alone.

#### Other Products Used

- Almagard® Vari-Purpose Lubricant (3752) is being used as a general purpose plant grease in applications that do not require a USDA H1 product.

*Thank you to Jim Smith, plant engineer, and to John Krehmke, LE lubrication consultant, for providing the information used in this report.*



Jim Smith



John Krehmke



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

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