

**Industry:** Material Handling  
**End User:** Not Disclosed  
**Application:** Pork Processing Hanger Wheels  
**Thordon Grade:** ThorPlas-Blue  
**Date of Original Installation:** June 2010

### Challenge:

The customer was using roller bearings in pork processing hanger wheels and was unsatisfied with their performance. The roller bearings require grease to ensure smooth operation and were only providing a wear life of one month. Two roller bearings were required for each hanger wheel. The customer was looking for a solution with longer wear life while also eliminating the need for grease.

### Solution:

After reviewing the operating conditions and environment, Thordon recommended ThorPlas-Blue bearings to replace the roller bearings.

### ThorPlas-Blue bearings offer:

- Long bearing wear life with no maintenance
- Low thermal expansion and water absorption
- Lifetime lubrication
- The elimination of oil and grease/greasing systems to ensure smooth operation

### Results:

After careful consideration, the customer decided to do a trial run with Thordon's ThorPlas-Blue bearings in some of the hanger wheel applications. Only one ThorPlas-Blue bearing was required for each wheel.

After a year of trials, Thordon's ThorPlas-Blue bearings showed limited wear. Not only were maintenance costs significantly reduced, but the ThorPlas-Blue bearings had provided a wear life of more than 12 times that of the roller bearings. Due to the long bearing wear life and reduced maintenance costs, the customer ordered 4,000 ThorPlas-Blue bearings.

