

Industry: Material Handling
End User: Sanford, New Zealand
Application: Fish Conveyor Bearings Onboard Fishing Trawler
Thordon Grade: SXL
Date of Original Installation: 2015

Challenge:

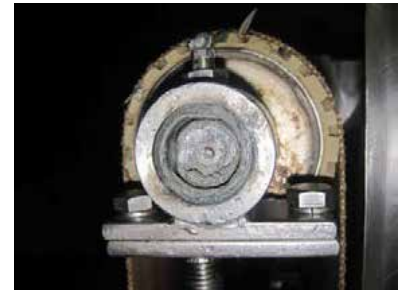
The FV San Waitaki has conveyors onboard the vessel that are used in handling fish. The conveyor and its many components, including the bearings are exposed to abrasives such as salt water and the debris from the nets. The existing nylon bearings showed excessive wear resulting in the need to grease them every 2 weeks, and had to replace them every 3 to 4 weeks.



FV San Waitaki



Fish Conveyor



Greased Nylon bearing

Solution:

In early 2015, Thordon grease-free SXL bearings were supplied as the replacement for greased nylon bearings in the conveyors.



*Left: Existing Nylon bearing
Right: Thordon SXL bearing*



Greaseless Thordon SXL bearing

Results:

The equipment runs 24/7 and the Thordon SXL material provided was run for a period of 53 days as a test. Over this period, the SXL bearings supplied required no grease or maintenance and at the end of the period, there was no measurable wear present. If required, a food grade version called ThorPlas-White can also be supplied.