

Fish Conveyor Bearings

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 which are relied on to handle fish. The conveyor and many of its components including the bearings are subject to exposure to salt water and debris from the nets. The existing nylon bearings showed excessive wear resulting in the need to grease them every 2 weeks and replace them every 3 to 4 weeks.



FV San Waitaki



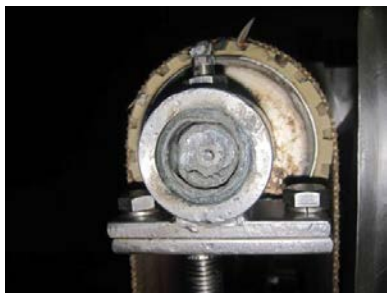
Fish Conveyor



Left existing Nylon bearing, right Thordon SXL bearing

Solution

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



Greased Nylon bearing



Greaseless Thordon SXL bearing

Outcome

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.