

Boat Trailer Walking Beam Pin Bearings

Industry:	Transportation
End User:	Schiller Marine Inc., MD, U.S.A
Application:	Walking Beam Pin Bearings on Hydraulic Boat Trailer
Thordon Grade:	ThorPlas-Blue
Date of Original Installation:	2012

Challenge

The walking beam aluminum bronze bearings on the customers Conolift hydraulic boat trailer were wearing quickly and needed to be replaced every 6 months. The walking beam is hydraulically lifted, pivoting on the pin bearing. The lifting beams can be individually elevated depending on the vessels towing or service requirements. The walking beam pin bearings had to be greased and experienced premature failure from normal use and service.



Walking
Beam Pin
Pushing

Solution

Thordon's ThorPlas-Blue bearing were recommended to the customer, due to their long bearing wear life and grease-free operation. ThorPlas-Blue bearing also offer:

- Excellent performance in high impact load and high humidity conditions
- Long bearing wear life with no maintenance
- Low thermal expansion and water absorption



Outcome

The aluminum bronze bearings were replaced with Thordon ThorPlas-Blue bearings. After a year of service, the ThorPlas-Blue bearings were still operating with no visible signs of wear, which was already twice the service life of the aluminum bronze bushings.