

Thordon SXL Split Main Guide Bearing



- GOBAUD turbine
- **1000 KW**
- 5 blade Kaplan runner at 10,000# (+/-)
- Shaft:
 - 10.630" diameter
 - 36 degree angle
 - **185 RPM**

Overview

The Problem

- The sealing system would fail on the Babbitt and oil lubricated bearing.
- The oil would be contaminated with water.
- Replacing the seals and oil required dewatering the unit.
- The seals have a long lead time.
- The turbine would be shut down at inopportune times for repair.
- Time didn't allow for the damaged shaft to be removed for machining
- Environmental contamination concern from oil leakage

- <u>The Solution</u>
- Design and supply a water lubricated Thordon SXL split main guide bearing.
- Design and supply a stainless steel split sleeve to fit over the damaged shaft.































































