

Shaft Condition Monitoring Service Package

Extend Tail Shaft Withdrawal Intervals

- Avoid the cost of tail shaft withdrawal
- Avoid the risk of damage associated with power train disassembly and shaft withdrawals purely for inspection purposes.
- Avoid the risk of downtime
- Avoid the risk of pollution by oil

What do we do?

1. Take advantage of extended tail shaft withdrawal intervals offered by Classification Societies Descriptive Notes and Alternative Survey Arrangements (LR, DNV-GL, ABS).
2. Leverage proven Thordon Bearing performance to comply with Class Rules.
3. Leverage condition monitoring philosophy to maximize the life of propeller shaft stern tube bearings.



CCGS Louis S St. Laurent - Canada's largest Ice Breaker – included conversion from dovetail staves to Thordon XL full form bearings, WQP procedures & spares – SCM Descriptive Note awarded **without time limit**.



M/V Grand Manan Adventure – Passenger and vehicle ferry awarded LR SCM Descriptive Note with **no shaft withdrawal for 18 years** with Thordon COMPAC bearings, WQP, procedures and spares.

Ask us how we can help you save money and reduce risk to increase availability and avoid damage due to routine surveys.

How do we do it?

- Create an optimal operating environment for the Thordon stern tube bearings
- Supply clean water automatically and on a continuous basis
- Provide facilities for insitu bearing and shaft inspections
- Continuously monitor performance & bearing wear (trending)
- Record keeping

Application Engineering Service Package – ship specific:

Class Rule Requirements and compliance

- Ship specific assessment
- Compliance matrix development
- Plan Approvals by class
- Implementation planning

Implementation Plan

Equipment requirements

- Thordon Bearings
- Water quality package
- Inspection arrangements
- Machinery Interlocks
- Alarm & Monitoring
- Bearing wear measurement
- Bearing condition monitor (DNV-GL)

Operational requirements

- Minimal maintenance
- Daily and periodical monitoring
- Record keeping
- Periodical annual surveys by class

