

CCGS Wilfrid Laurier

The “Laurier” is a CCG Type 1100 Arctic Class 2 medium ice breaker, one of several in the Canadian fleet. It operates on the West Coast of Canada and in the western arctic on various missions. It was built and commissioned in 1986 at Collingwood Shipyard with Thordon STAXL stave bearings which over the years have been proven to be very reliable. As part of a previous refit it was proposed to replace the stave bearings with Thordon full form bearings for ease of installation and to extend the service life of the ship. Given the experience offered by Avalon Marine, a cooperative project was developed between Avalon, the east coast Thordon Distributor and west coast distributor Mill-Log Wilson Equipment to engineer the needed upgrades to achieve compliance and to implement the requirements for SCM on this ship. Thordon Bearings appointed Avalon Marine as the project lead.



Avalon Marine completed a detailed feasibility and engineering survey onboard the vessel while alongside in Victoria BC in November 2017 and then developed the detailed technical specifications for integrating the new equipment and refurbishing the tail shafts and installing the new Thordon bearings. The vessel plans to dry dock in late 2018 to renew the bearings and to refurbish the tail shafts. Additionally, inspection arrangements for insitu shaft inspections and through hull fittings WQP pipe connections are planned to be fitted and proven so that WQPs can be fitted during a future alongside refit to complete the full implementation of the SCM survey arrangements. By making all of the preparations for and completing the underwater work scopes, a baseline survey can be completed in order to potentially avoid another dry docking prior to full implementation of the SCM survey arrangements.

The photo shows the ship alongside at the Victoria BC shore base during a work period in November 2017.