

MAIN DIESEL ENGINES FOR PROPULSION

SCOPE OF WORKS

Portside and starboard side Propulsion units shall have service according to the makers (MAN) service interval instructions for 15,000 hours maintenance. This implies that both engines will undergo **Top overhaul**.

The intervention at the 15,000-hour service interval will include the following.

1. Carry out Top overall of both portside and starboard engines following the standard (MAN) service instructions for 15,000 hours.
2. Oil sample to be extracted from the main engines sump immediately after ferry arrival to the yard and sent to a recognized laboratory for analysis results to be presented to the owner and/or owner's representative.
3. Main Engine day tank in engine frame mounting to be opened and cleaned. Owner and/or owners' representative to verify the cleaning works before reassembling covers.
4. Main engine switchboards to be opened and all terminal connections to be tightened.
5. Cooling water to be replaced with new coolant premixed or mixed according to coolant makers instructions. Coolant to comply with engine maker recommendations.

Expansion tanks to be cleaned prior to refilling cooling media.
6. Oil cooler to be opened and cleaned and closed with new packings.
7. All pressure and temperature gauges to be checked for correct function.
8. Canopy to be thoroughly cleaned and canopy doors to be readjusted to close completely. Canopy door handles to be replaced. Canopy door packing to be replaced with new ones.
9. All bolts, nuts and joints to be retightened according to makers torque listings.
10. All alarms to be tested and capability to reset local and from wheelhouse control console.
11. Check and replace engine mountings where necessary.
12. Replace water pumps.