Machinery spaces

General

The impression of the engine room was generally poor. All machinery appeared in fair condition, several oil stains were noted on the floors and the pipelines, many buckets and other tools appeared abandoned around the engine room, sections of pipe insulations and protective covers were found missing or damaged and dirty water was spotted in the bilges.

General - Tick / Mouse Click only one	**None**	**Minimal**	**Intermediary**	**Considerable**	**Not sighted**
Repair/Upgrade required	☐	☐	☐	☐	☐

Planned Maintenance System

The planned maintenance system was reported to be computer based called RAST and was reported to be in use for the PMS of all machinery.

Lub Oil Analysis

The latest Lub Oil analysis reports for main machinery were checked on-board, revealing a significant level of oil contamination for Main Engine, Aux. Engine no. 1 and high metal content in the oil of the Bow Thruster; proper corrective actions had been put in place by crew in coordination with the office.

Cooling Water Analysis

Cooling water analysis for Boilers and Main Engine is being carried out by crew and the chemicals are dosed accordingly. Reports were presented for inspection and no relevant issues were spotted.

Fuel Oil Analysis

The Chief Engineer confirmed that Fuel Oil sampling and subsequent analysis are carried out following every bunkering operation. The company has an agreement with laboratory company Maritec for these analyses.

Engine Control Room

The ECR is quite small, with the electrical Main Switchboard on one long side and a basic console on the opposite side. Automation is limited to the main alarms and reported readings of pressure, temperature and other operational parameters from main machinery with centralized Terasaki alarm control panel and operational panel for the equipment.

The main switchboard panel has a typical arrangement, with one panel for each Diesel Generator, one synchronizing panel, and the 450 V and 220 V power panels for the various consumers.

ECR - Tick / Mouse Click only one	**None**	**Minimal**	**Intermediary**	**Considerable**	**Not sighted**
Repair/Upgrade required	☐	☐	☐	☐	☐