



MANAGEMENT SYSTEM MANUAL

10.4 LUBE OIL ANALYSIS PROCESS CONTROL

Originator:

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Approved By:

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1. Purpose

The purpose of this procedure is to ensure that Lube Oil samples are taken at a proper interval, correctly routed for analysis and that the results reach the Chief Engineer in a timely fashion.

2. Responsibility

The Chief Engineer of each ship is responsible for the establishment and use of the ship's Lube Oil Analysis Plan. Section 10.2 Maintenance of Critical Systems will define the periodicity of sampling and 10.2 specific to each ship will define the critical equipment to be sampled. The non-critical machinery may be tested at the discretion of the Chief Engineer.

The Chief Engineer is responsible to ensure that adequate supplies of sample kits are on board.

3. Procedure

Lube Oil sampling kits are provided to each vessel by the Port Engineer or Marine Engineer. Sampling directions included with the kits are to be followed and the kit is to be mailed, using the pre-addressed label in the continental United States.

The Chief Engineer will maintain a log in SafeNet of sample dates for each piece of critical equipment. A separate log will also be kept so the Chief Engineer can ensure that the test results have come back to the ship, normally within 2 weeks of the date of postage. If a test report does not appear within 2 weeks, the Chief Engineer will report the failure to the Port Engineer via email. The Port Engineer will be responsible for contacting the analysis company.

All results will return to the ship via email addressed to [cheng@\(ship\).whoi.edu](mailto:cheng@(ship).whoi.edu). A cc of all results will go to the Port Engineer and, for Atlantis, an additional cc will go to the Marine Engineer.

The Chief Engineer will maintain the test results indefinitely in SafeNet and in hardcopy form for no less than 12 months. The Port and Marine Engineers will maintain the records at their discretion as the information is available in SafeNet.