

# Overhaul Inspections of Cargo Oil Pump Turbines

## Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part B  
Guidance for High Speed Craft  
Guidance for the Survey and Construction of Inland Waterway Ships

## Reasons for Amendment

There are three approaches which may be adopted when carrying out a Planned Machinery Survey: Continuous Machinery Survey (CMS), Planned Machinery Maintenance Scheme (PMS), and Condition Based Maintenance for Machinery (CBM). In cases where the CMS approach is adopted, each required item is to be surveyed systematically, continuously and sequentially at intervals not exceeding 5 years so as to ensure open-up examinations of the target machinery is carried out efficiently. Moreover, surveys of certain CMS items deemed appropriate by the Society may be delegated to overhaul inspections carried out by the shipowner (or the ship management company) without a Society surveyor present on condition that confirmatory surveys are also performed. The number of survey items for which such confirmatory surveys are considered acceptable has been expanding over the years so as to improve the convenience of surveys and further ensure ship safety in consideration of the damage histories of the machinery.

Cargo oil pump turbines are not currently one of the survey items for which confirmatory surveys are considered acceptable. However, since the cargo oil pump turbines are sometimes not allowed to be opened-up at terminals, there have been cases in which open-up examinations required to be performed in the presence of a Society surveyor were carried out at ports other than such terminals. This has, in turn, led to additional interest efforts to find new ways to improve survey convenience. The Society, therefore, examined the situation to see if it could come up with ways to increase survey convenience and found that no serious damage of cargo oil pump turbines had been reported over the last 20 years. After holding hearings with members of relevant industries, the Society reached the conclusion that overhaul inspections of cargo oil pump turbines could be properly carried out by ship crews without manufacturer representatives or Society surveyors present.

Accordingly, relevant requirements were amended to allow overhaul inspections of cargo oil pump turbines to be delegated to shipowners.

## Outline of Amendment

Amended requirements so that cargo oil pump turbines were included in the CMS survey items eligible for confirmatory surveys.

## Amended Requirements

Guidance for the Survey and Construction of Steel Ships  
Part B: B9.1.2  
Guidance for High Speed Craft  
Part 2: 3.10.2  
Guidance for the Survey and Construction of Inland Waterway Ships  
Part 2: 9.1.2