

Subject :

Oil Analysis as Part of the Preventive Maintenance System for Oil Lubricated Propeller Shafts

NKTECHNICAL INFORMATION

No. : 377

Date : 21 September 2000

To: All shipowners and shipbuilders concerned

The preventive maintenance system has been incorporated in 8.1.3 of Chapter 8, Part B of the *Rules for the Survey and Construction of Steel Ships*. (For ships for which the preventive maintenance system has been approved by the Society, the notation (PSCM) is affixed to the ship's classification character.)

The Society has started to offer a new technical service of oil analysis concerned with the preventive maintenance system for oil lubricated propeller shafts specified in B8.1.3, Part B of the *Guidance for the Survey and Construction of Steel Ships*.

An outline of the new service and the procedures for oil analysis are outlined below for your information and reference.

1. The oil analysis service will be carried out at the request of either the owner or shipbuilder based on the application submitted to the Marine and Industrial Service Department (MID) of ClassNK. A properly packaged sample of the oil to be tested is to be submitted together with the application to ClassNK. (Please note that the applicant is responsible for all costs involved in preparing and forwarding any oil samples for testing.)

Applications and oil samples are to be forwarded to the following address:

ClassNK, Marine and Industrial Service Department (MID)
4-7 Kioi-cho, Chiyoda-ku, Tokyo 102-8567
Telephone: +81-3-5226-2041 / Telefax: +81-3-5226-2039

2. As a rule, a sample consisting of about 200 ml is required for the analysis. The sample is to be forwarded to MID at ClassNK with the application in a proper container suitably sealed and securely packed.
3. An analysis report will be forwarded from MID at ClassNK by facsimile as well as delivered by mail within three to five (3-5) working days upon receipt by MID.
4. Applicants may choose to have either all or a portion of the items analyzed under the service as shown in table B8.1.3, Part B of the *Guidance for the Survey and Construction of Steel Ships* (summarized on the application form for your convenience).

It may be noted that thus far, some ninety-five ships registered with ClassNK have been assigned the PSCM notation for their adoption of a preventive maintenance system approved by the Society as of 21 September 2000

Please feel free to contact the Survey Department at the Head Office of ClassNK in Tokyo at:

Tel: +81-3-5226-2027 / 2028, Fax: +81-3-5226 2029, E-mail: svd@classnk.or.jp

should you have any questions or need further information.

Attachment: Application Form

◇Department in charge until 31 March 2018
Marine and Industrial Service Department
Tel:+81-3-5226-2041 Fax:+81-3-5226-2039
E-mail:mid@classnk.or.jp

ClassNK NIPPON KAIJI KYOKAI
4-7, KIOI-CHO, CHIYODA-KU,
TOKYO 102-8567, JAPAN.



Application for Oil Analysis as Part of the Preventive Maintenance System for Oil Lubricated Propeller Shafts

Date: _____

To: NIPPON KAIJI KYOKAI, Marine & Industrial Service Department (MID)
TEL. No. +81-3-5226-2041 FAX. No. +81-3-5226-2039

Acknowledging the provisions of the *Regulations for Technical Services* and other applicable rules and guidances of NIPPON KAIJI KYOKAI (ClassNK), the undersigned hereby requests you to carry out an oil analysis as part of the preventive maintenance system for oil lubricated propeller shafts as described below in accordance with the foregoing rules and regulations.

Name of Vessel: _____
IMO Number: _____
Class Number: _____
Name of oil used: _____
No. of hours used: _____
Maximum temperature of oil during service: _____ °C Max
ID No. of oil: _____
Date sampled: _____
Sampled from: _____

Items to be analyzed (Tick the boxes of the items desired)

- All analysis items
 Following analysis item(s)
 Fe, Cu, Sn, Pb, Ni, Cr, Na Ferrography IR Oxidation Free Water

Other Notes/Remarks

Name / position of Applicant: _____
Name of Company: _____
Address: _____
Staff in charge: _____
TEL. No.: _____ FAX. No.: _____

Address to which results of analysis are to be sent (if different from above)

Name of Company: _____
Address: _____
Contact person: _____
TEL. No.: _____ FAX. No.: _____

Signature of Applicant: _____