

WATERJET, KAMEWA S-SERIES

MAINTENANCE - LEVEL B TRAINING



KONGSBERG



COURSE DESCRIPTION

LEARNING OBJECTIVES

After completing the course, the participants will gain a deep understanding of the design and function of the Kongsberg waterjet, type Kamewa S (SI, SII, S3 or S4) in order to utilise their system to an optimum and introduce a detailed program for preventive maintenance to promote the reliable and efficient operation of their equipment. Information will be given on the precautions to be made before drydocking and major overhauls.

ENTRY REQUIREMENTS

Participants should have completed level A training.

TARGET GROUP

Technical and maintenance personnel surveyors, dock engineers.

CONTENT

Introduction

- Visit to Kongsberg hydrodynamic research centre

General description of the waterjet system:

- System assembly
- Function description

Mechanical layout

Covering the design, function and mode of operation:

- Pump unit with drive shaft and seals
- Steering and reversing gear

Practical training on how to:

- Dismantle a pump unit
- Exchange of impeller
- Mounting of seals
- Dismantling of coupling

Essential waterjet components will be available for trainees for maintenance and service training.

Hydraulic and lubrication oil systems

Covering the design, function and mode of operation:

- Hydraulic power pack
- Pumps and filters
- Function and separate valves
- Alarm functions

Practical application on service and maintenance of hydraulic components will be carried out on training and test equipment in the training centre.

Remote control system

- Hardware
- Software
- Hand held terminal presentation
- Calibration procedures
- Parameters and signals handling
- Trouble shooting
- Alarm indicators and alarm system.

A complete remote control system connected to a steering and backing bucket mounted on a dummy transom will be available for trainees for minor adjusting and trimming of the control system as well as for basic troubleshooting.

Maintenance

- Daily, weekly and monthly on board maintenance
- Maintenance carried out on board by crew or together with base support team, with ship afloat.
- On board or depot special tools and test equipment

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LEARNING PROCESS

A combination of theoretical lessons and practical exercises.

DURATION

28 hours (4 days)

NO. OF PARTICIPANTS

Maximum 7

LANGUAGE

English if not otherwise agreed.

CERTIFICATE

Certification of attendance will be issued on completion of the course.

LOCATION

- Product Centre Kristinehamn, Sweden.

BOOKING & INFORMATION

www.km.kongsberg.com/training

TERMS & CONDITIONS

All training to be provided by KONGSBERG is subject to customer's acceptance of the KONGSBERG Terms & Conditions for Training.