

# BERGEN DIESEL AND GAS ENGINE

## BASIC - LEVEL 1 TRAINING



### COURSE DESCRIPTION

#### LEARNING OBJECTIVES

To improve the understanding for the design and function of Bergen Engines in order to utilise your system to an optimum. Introduce the detailed program for preventive maintenance to promote a reliable and efficient operation of your equipment.

#### TARGET GROUP

1st. Engineer, Chief and Electrician.

#### ENTRY REQUIREMENTS

No special requirements needed.

#### CONTENT

##### Introduction

- Guided tour in the factory

##### Mechanical layout

Covering the design, function and mode of operation on the different parts of the engine:

- Cam and crank shaft
- Valves
- Pistons and cylinders
- Turbo charger
- Actuator
- Power take offs etc.

##### Engine systems

Covering the design, function and mode of operation:

- Fuel oil system
- Temperature control systems
- Lubrication systems
- Starting and Control air systems
- Cooling water systems
- Safety systems

Practical application on service and maintenance of components will be carried out on training and test equipment in the training centre. Complete engine B and C for training available.

##### Control system

General description of the engine control and safety systems

##### Maintenance

- Daily, weekly and monthly on-board maintenance
- Utilising test equipment and proper tools
- Spares etc.
- Oil mist system

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

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### LEARNING PROCESS

A combination of theoretical lessons and practical exercises.

DURATION, 14 hours (2 days)

NO. OF PARTICIPANTS, Maximum 6.

### LANGUAGE

English if not otherwise agreed.

### CERTIFICATE

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

### LOCATION

- Product Centre Bergen, Norway

### BOOKING & INFORMATION

[www.km.kongsberg.com/training](http://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.