

H915 – VTR Advanced

– Antifriction Bearing Turbochargers, Turbocharging Senior for Technical Staff

This training is targeted to end user who operate VTR platform turbochargers. Course develops items like: basic maintenance as well as cartridge concept. Included a workshop session with operational exercises.

Learning objectives:

Upon completion of this course, the participants will have an understanding of turbocharging basics and VTR installation on four stroke diesel marine applications, with reference to operation and on board maintenance. Understanding of turbocharging basics on four stroke diesel marine applications, with reference to interaction between engine and turbocharger, design criteria and operational influencing parameters will be provided.

Contents:

- Turbocharging principles
- VTR Service concept
- VTR Monitoring in operation
- VTR Cleaning in operation
- VTR Disassembly and assembly (workshop session)
- Main dimensions and measurements, tightening torques
- Interaction between engine and turbocharger
- Influence of ambient conditions on turbocharger
- Surging
- HFO operation
- Rating plate and design criteria (SIKO)

Methods:

Classroom lectures and workshop session.

Duration: 4 days

Student profile:

Marine Engineers and Superintendents.

Prerequisites and recommendations:

None

Venue: Genoa, Italy

Additional information:

Minimum 6, maximum 8 participants.

