

FRAMO III ADVANCED COURSE

52B FRAMO III

TECHNICAL COURSE



The future of
world class
seafarers

This FRAMO course is designed for deck and engine officers directly tasked with the overall operation and maintenance of FRAMO CARGO PUMPING SYSTEM. The course practically provides extensive lectures and practice on the technical design & principles and working & operating mechanics of the system including its key maintenance tasks and troubleshooting techniques.

COURSE AIMS & OBJECTIVES: Upon completion of the course, participants should be able to gain technical understanding and acquire practical know-how in the proper operation and maintenance of FRAMO Cargo Pumping System during *loading, cargo sampling, heating/cooling, discharging, stripping, emergency pumping, tank cleaning, purging routines* and *cargo pump performance*. Troubleshooting efforts are given high emphasis to inculcate safe and sound system operation.

COVERAGE / PROGRAM FOCUS: Emphasis of instruction and hands-on activities deal with the operational principles and technicalities of the following:

- Basic Hydraulic System Design
- Purging Instruction
- Pumping Theories
- FRAMO Cargo Pumps
- FRAMO Portable Pumps
- Hydraulic Principles
- FRAMO Hydraulic Control Systems
- Control Valves
- Oil Cleanliness / Filtration
- Ballast Pumps
- Service Bulletins

For practical exercises, the participants will be involved in the operation of Full-Scale hydraulic Powerpack FRAMO Cargo Pump Types SDS5, SD125, TK8, TK4 and Tank Cleaning Pump Type 4 VF-1 (also used as firefighting pump) - Control Panel for Remote Operation, Quick Couplings, Pipes and Tank Arrangement for Full Scale Pumping Arrangement.

METHOD: The course is conducted employing:

- Extensive lecture-presentation / discussion
- Guided hands-on practice and exercises providing participants' sufficient practice to test run, inspect, disassemble/assemble and operate the various components of the system.
- Knowledge-based and skill-based assessment activity
- For maximum teaching-learning conduciveness, class size is limited to ten (10) participants.

ENTRY REQUIREMENT / TARGET GROUP: Entry to this course is open to all deck and engine officers duly endorsed for FRAMO training, preferably going onboard vessel equipped with FRAMO Cargo Pumping System.

COURSE CERTIFICATE: A Certificate of Completion is given to each participant who satisfactorily fulfills the Course.

DURATION:

2 Weeks

(10 days: 0830H – 1630H)

2012 DATES:

1. Jan 09–13 / 16–20
2. Jan 23–27 / 30–Feb 03
3. Feb 13–17 / 20–24
4. Feb 27–Mar 02 / 05–09
5. Mar 19–23 / 26–30
6. Apr 09–13 / 16–20
7. Apr 23–27 / 30–May 04
8. May 07–11 / 14–18
9. May 28–Jun 01 / 04–08
10. Jun 11–15 / 18–22
11. Jul 02–06 / 09–13
12. Jul 16–20 / 23–27
13. Aug 06–10 / 13–17
14. Aug 20–24 / 27–31
15. Sept 10–14 / 17–21
16. Sept 24–28 / Oct 01–05
17. Oct 15–19 / 22–26
18. Oct 29–Nov 02 / 05–09
19. Nov 19–23 / 26–30
20. Dec 03–07 / 10–14

COURSE CONTRIBUTION:

USD 709.00

(NSA Member)

USD 788.00

(Non-NSA Member)

Inclusive of course materials/handout

NOTE:

Ship's Ratings/Crew and other shipboard personnel intending or required to have extensive FRAMO training, on both theories and application, may as well take this course



Register

ADDRESS: Norwegian Training Center-Manila Gate 2 TESDA Complex, East Service Road, Taguig City, Philippines 1634
TRUNKLINE NO: (632) 812-07-42 | FAX NO: (632) 812-67-28 | WEBSITE: www.ntcm.com.ph | EMAIL: ntcm.registrar@ntcm.com.ph