



IDESS Maritime Centre (Subic) Inc.

Tank Atmosphere Control and Gas Measurement Course

Description:

The course syllabus covers the operating principles of gas measuring instruments and their practical use in determining the condition of the atmosphere in a cargo tank, bunker tank, ballast tank or void space.

Objectives:

Trainees who successfully complete this course shall enable masters, engineer officers, deck officers, and ratings with appropriate experience to use gas measuring instruments correctly and be able to use the readings to evaluate and control the condition of the atmosphere in a tank.

Course Outline:

- Gas measuring instruments
- Oxygen analyser
- Interferometer / Tankscope
- Combustible gas detector (explosimeter)
- Multigas detector
- Draeger Tubes
- Operating principles, accuracy and limitations
- Sampling lines and pumps
- Instrument check procedures and calibration
- Use and maintenance
- Physical and chemical properties of petroleum cargoes carried in bulk
- Toxicity and health hazards associated with petroleum cargoes & I.G.
- Oxygen deficiency
- Flammability
- Purging and gas freeing procedures

Entry Standards:

This course is open to seafarers who have relevant experience appropriate to their duties on tankers.

Minimum number of participants is four (4) and maximum is twelve (12).

Certification:

A certificate of successful completion shall be issued to those participants who successfully complete the course and meet the assessment criteria.

Accreditation:

Panama Maritime Authority

Duration:

1.5 days