

Basic Safety and Security Knowledge for Deck Crew

31 March 2006 Ocean Tankers 1

Basic English Knowledge

Objectives

- To achieve a minimum knowledge of ship structure.
- Attain a minimum English knowledge of ship structure

Target Group – Boatswain, Able Bodied Seamen and Ordinary Sailor

Basic Safety

- 1. What is your lifeboat duty?
 - Bowman
 - Sternsheet
 - Lowerer
 - First aid party
 - Provision and blanket
 - release gripes
 - make fast painter
 - Embarkation ladder
- 2. What is your fire fighting duty?
 - Fire hose party
 - First aid party
 - Lifeboat party
 - Rescue party
 - Engine room party

- What do you do when you hear lifeboat station alarm?
 - Put on helmet and boiler suit and safety shoe.
 - wear life jacket
 - put on extra clothing
 - muster at life boat station
- 4 What do you do when you hear emergency station?
 - Put on helmet and boiler suit and safety shoe.
 - Muster at emergency station

Basic Safety

- What do you do when you see a fire in the accomodation?
 - Raise fire alarm
 - try to put out the fire
 - if not possible, rush to muster station
- 6. Who is your safety officer? The chief mate.
- 7. What is DPA?
 Designated person ashore
- 8 Who is your DPA?
 Mr Ng Kwang Chiau
- 9 What is ISM?
 International Safety Management
- How many times must you conduct lifeboat and fire drill.One time every month.

How <u>many times</u> you must <u>lower</u> the lifeboat to water level?

One time every 3 months.

- 12. What is the oxygen content of gas free tank?21 % by volume
- 13. What is the hydro carbon content of gas free tank?

0 % by volume

What is the name of the instrument that measure oxygen?

Oxygen analyser

What is the name of the instrument that measure hydro carbon?

Combustible gas meter.

Security

- What is CSO?
 Company Security Officer
- 2. What is SSO?
 Ship Security Officer
- 3. What is SSP?
 Ship Security Plan
- 4. Who is the CSO?

 Mr Ng Kwang Chiau
- 5 Who is the SSO? The Master
- 6 What is SSA?Ship security alert system

7. Name some restricted areas on the ship?

Bridge, Engine room, Air condition control room, Cargo control room, accommodation, Steering gear, store room.

- 8. What are the 3 security levels? Level 1, 2 and 3
- Where do you find security monitoring procedures?Appendix 13 of the SSP
- 10 How <u>many time</u> must security drills be conducted?

One time every three months.

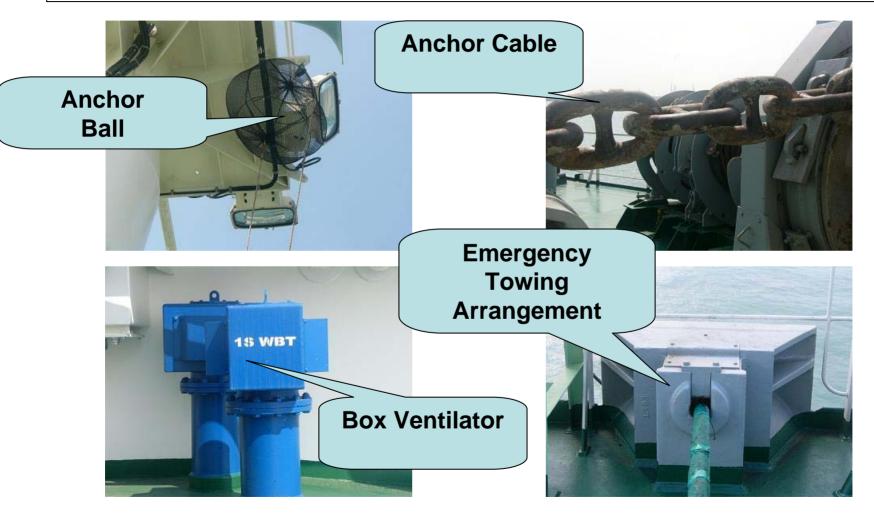


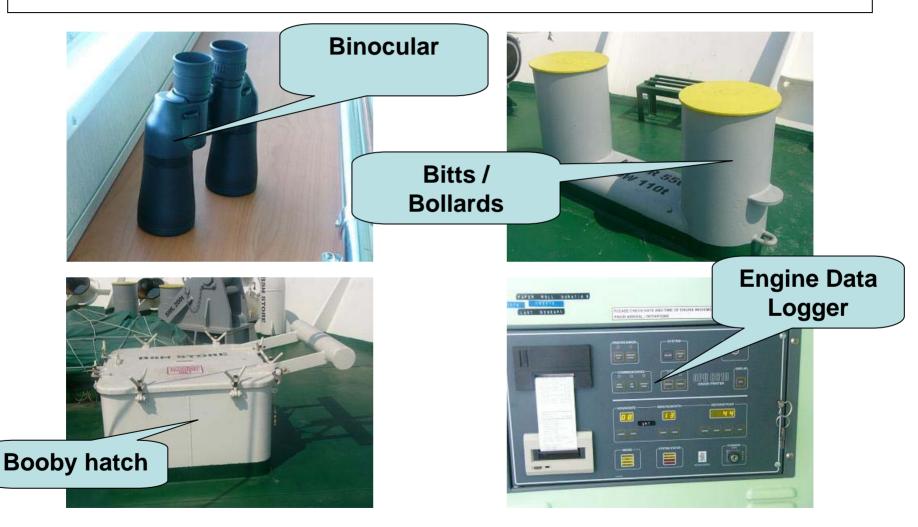




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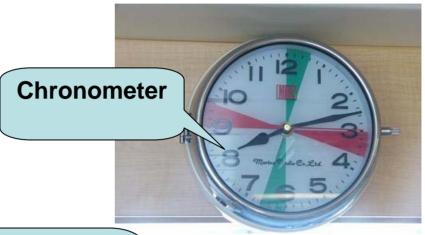




Engine room pump emergency stop





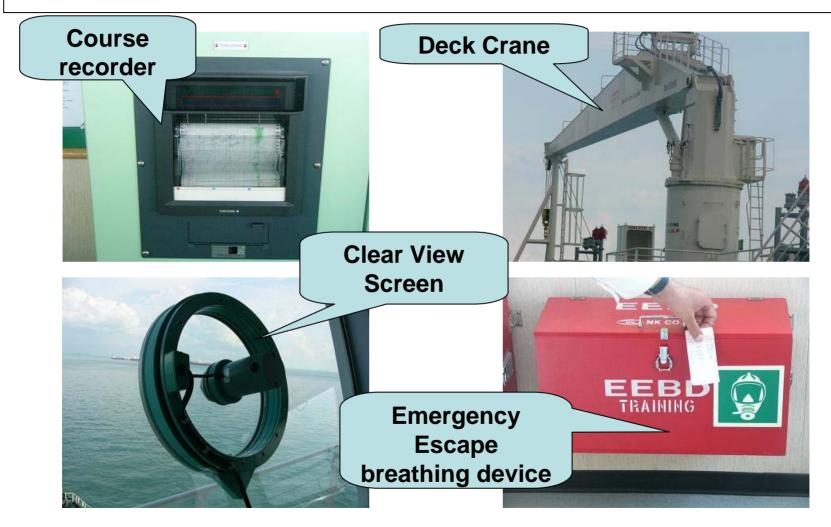


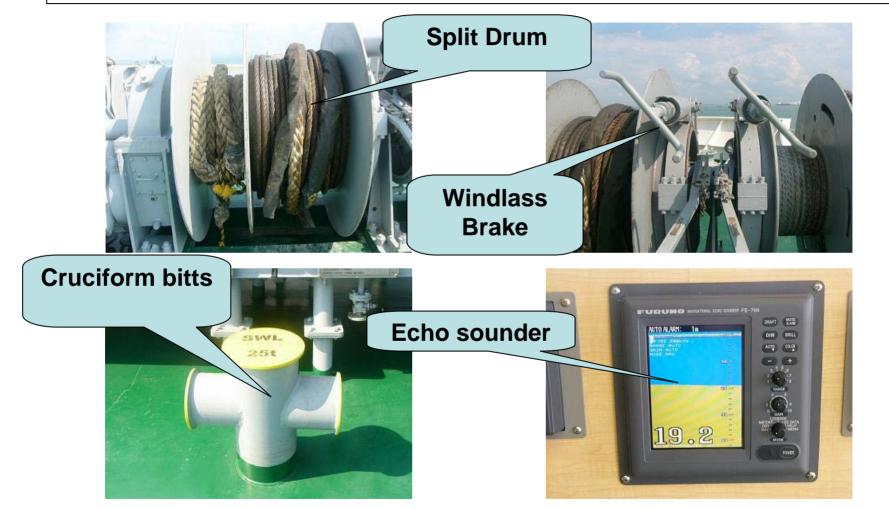
Closed chock

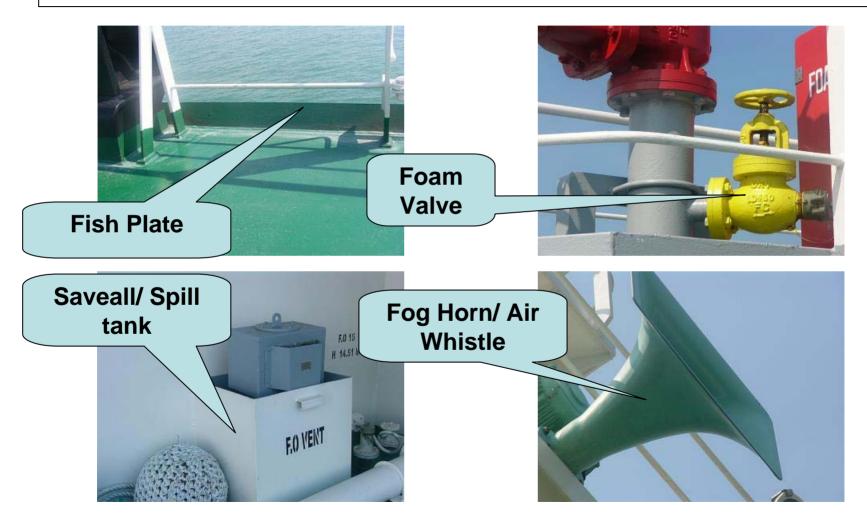


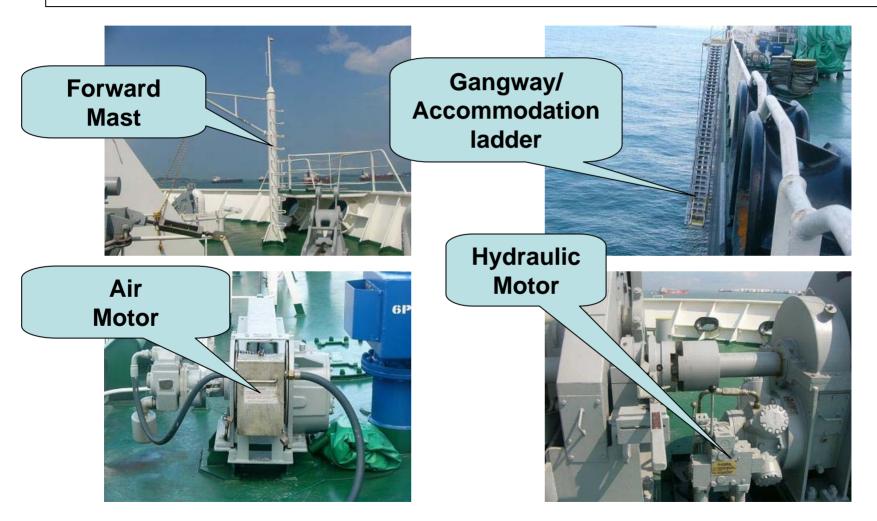
Cargo pump emergency stop

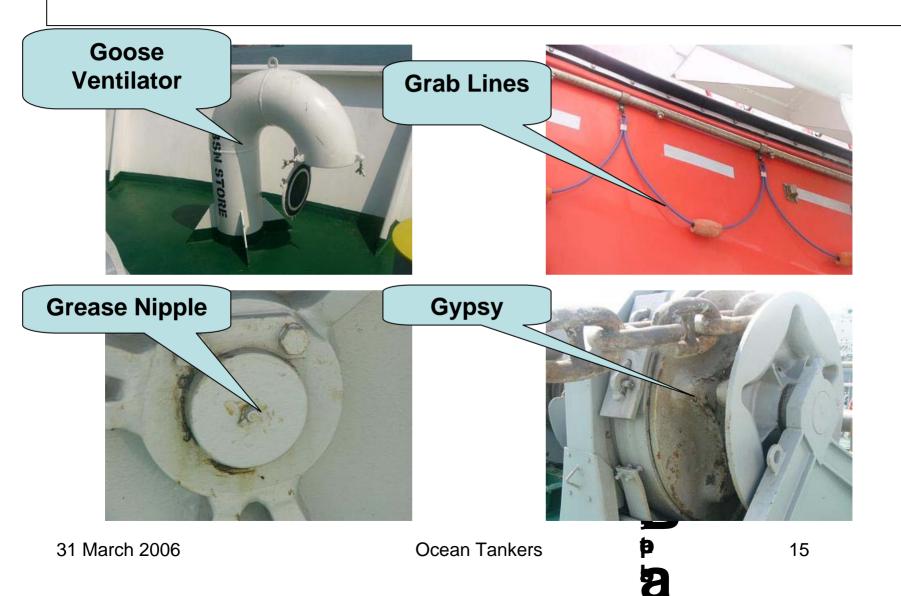


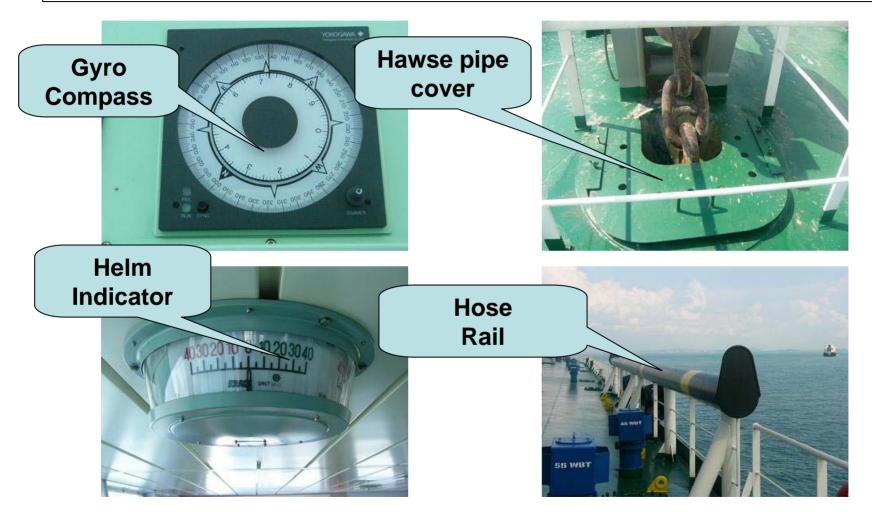


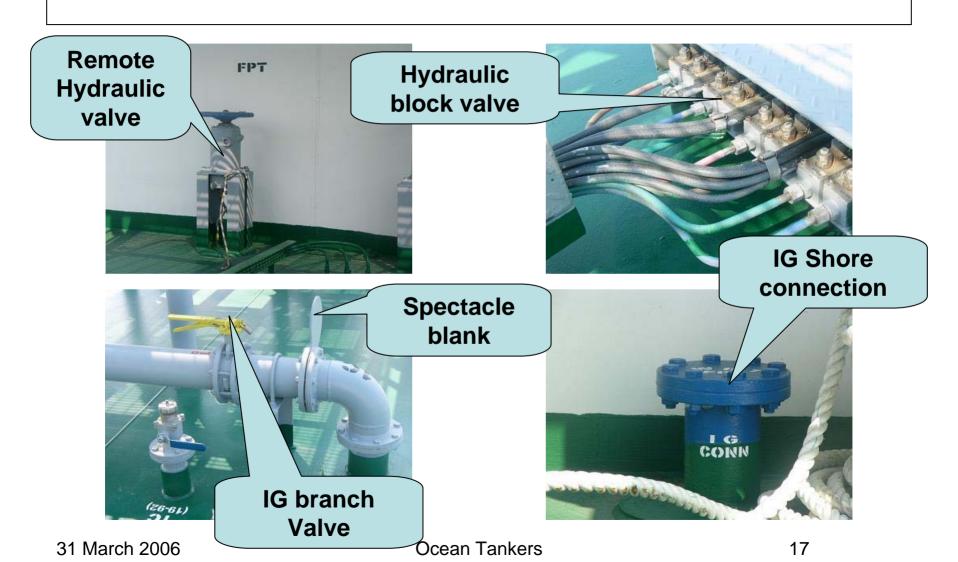


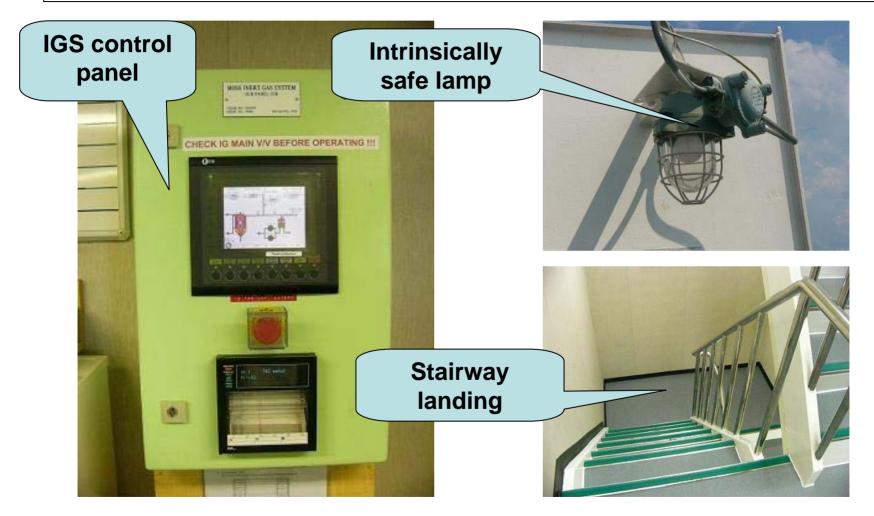


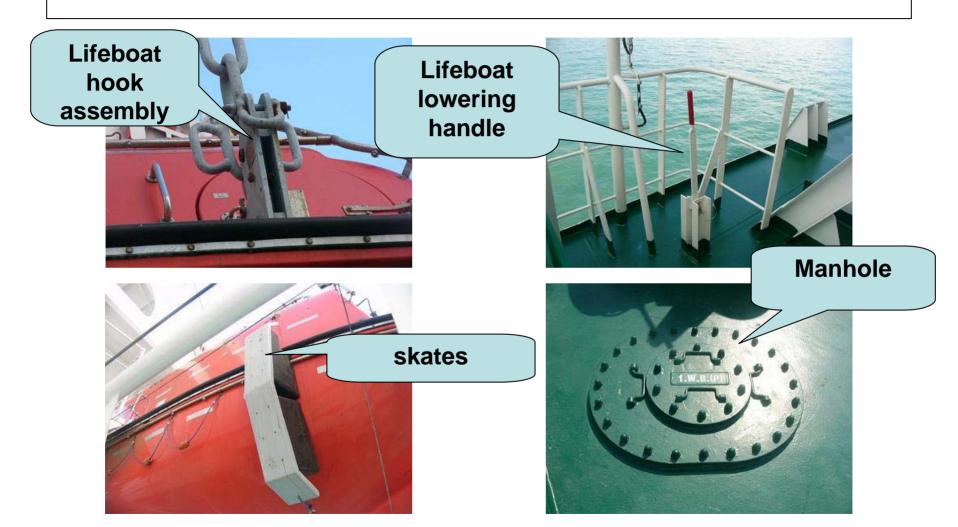


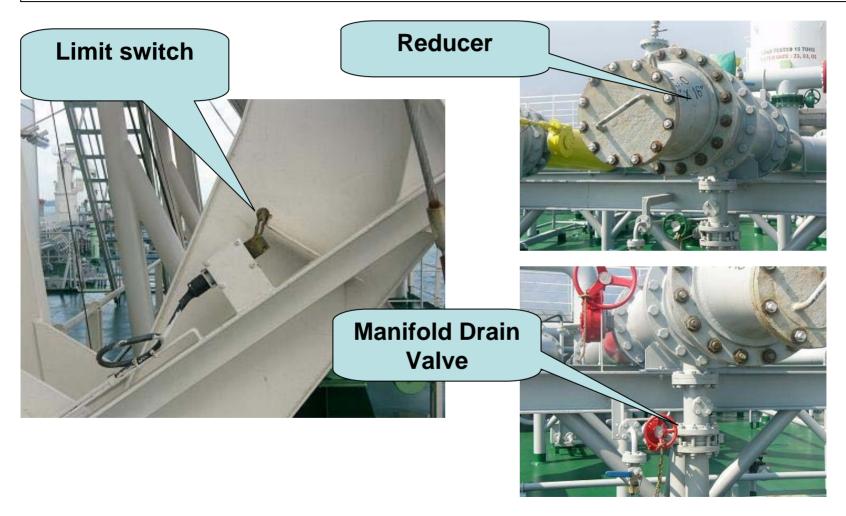




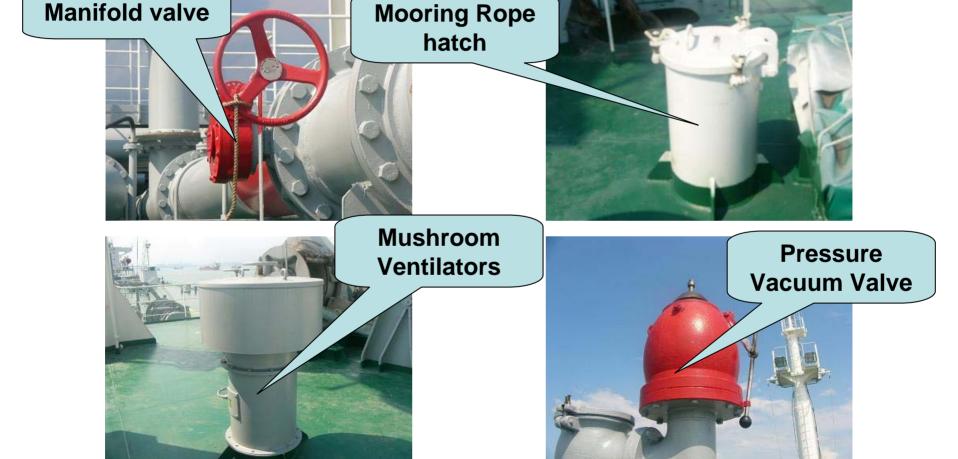








Manifold valve





Naviagtion Lights control panel



Reducer for Vapour recovery



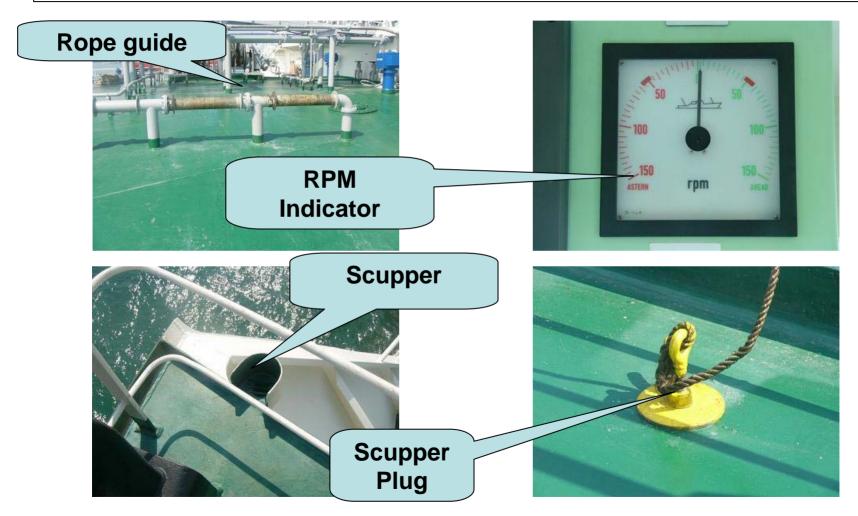
Oil Monitoring Control Equipment panel

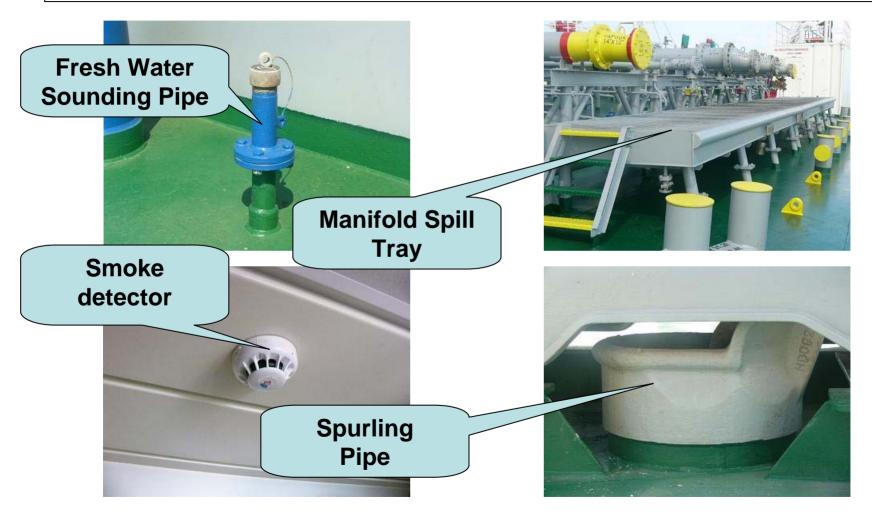
Azimuth Circle

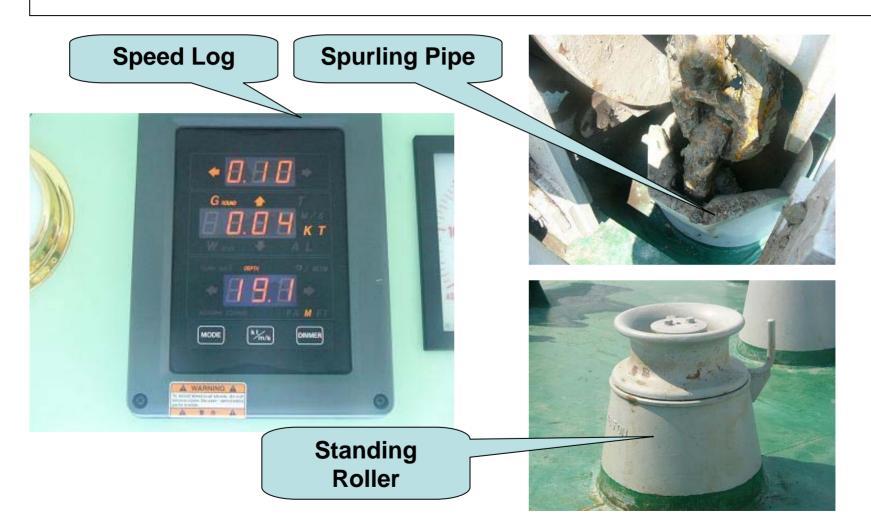


Repeater

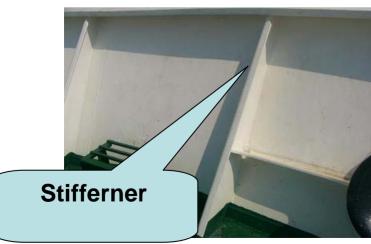




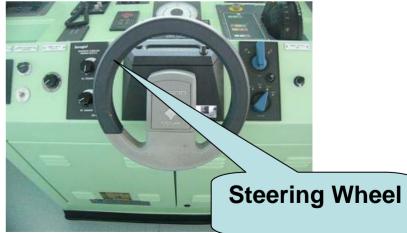


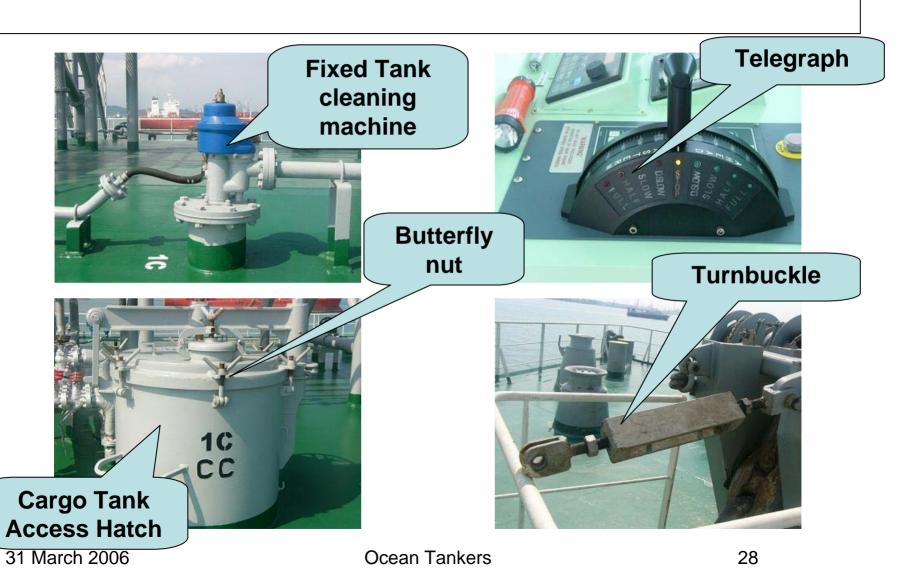


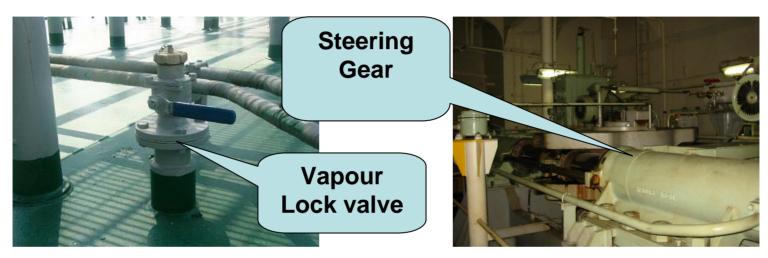


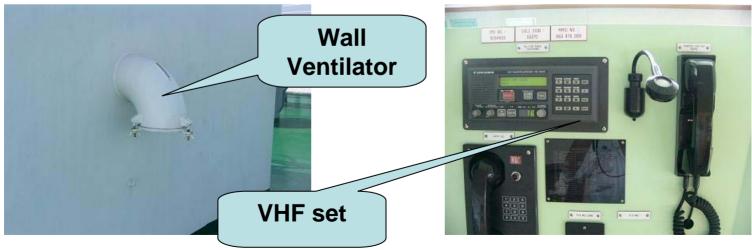


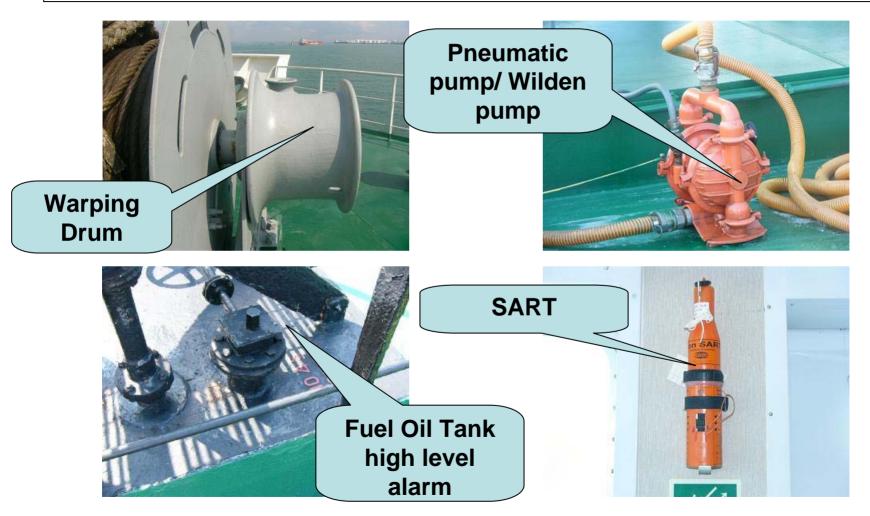




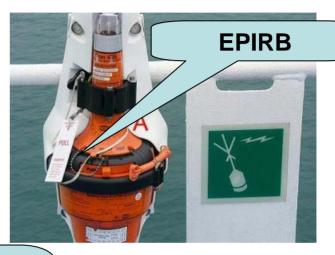










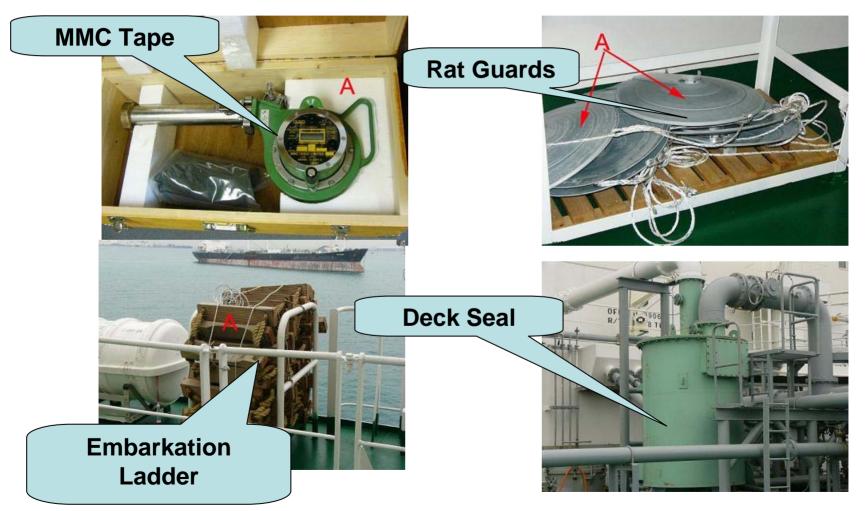


Suez canal Light



Remote Tank Gauging system



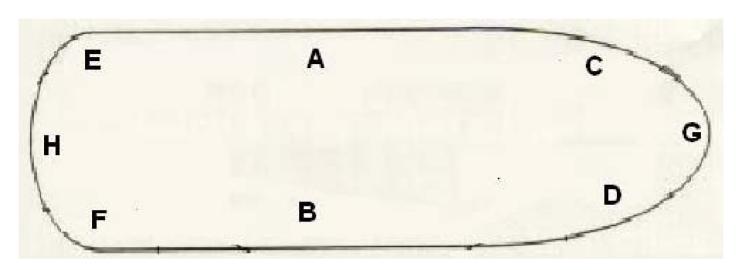


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Basic Seamanship

For Boatswain, Able body seamen and ordinary sailor

Basic Terms



- A Port Side
- **B Starboard Side**
- C Port Bow
- **D** Starboard Bow

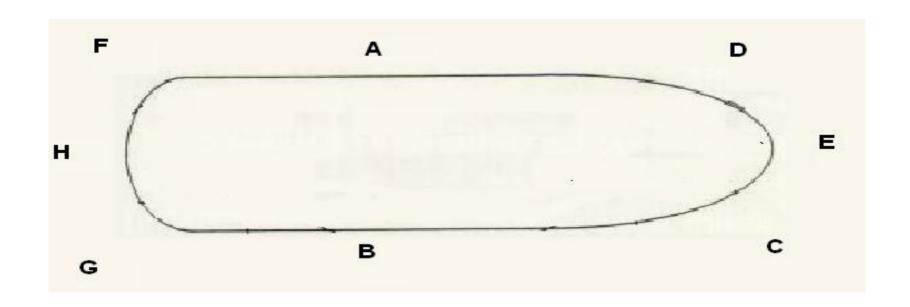
E – Port Quarter

F - Starboard Quarter

G - Stem

H - Stern

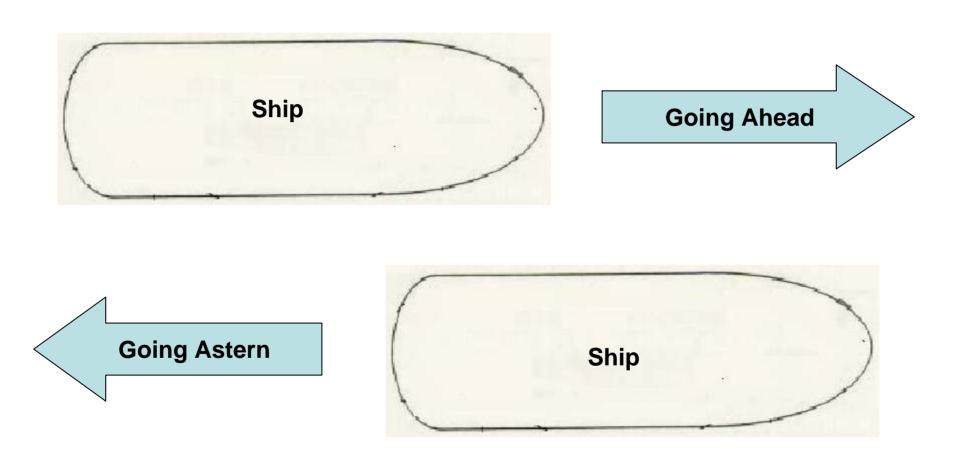
Basic Terms

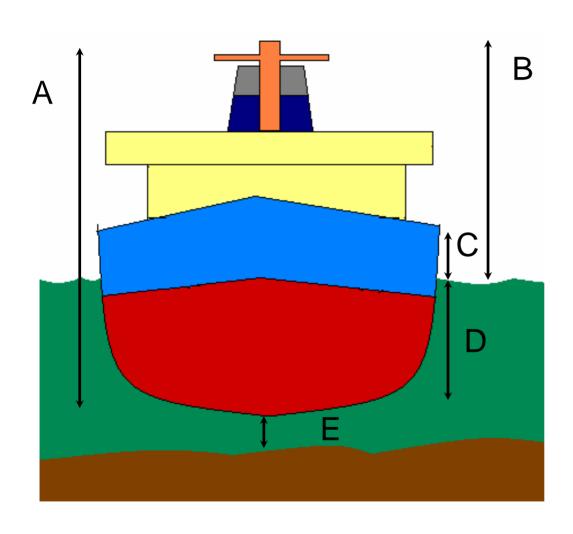


- A Port Beam
- **B Starboard Beam**
- **C Starboard Bow**
- **D** Port Bow

- E Dead Ahead
- F Port Quarter
- **G** Starboard Quarter
- H Dead Astern

Basic Terms





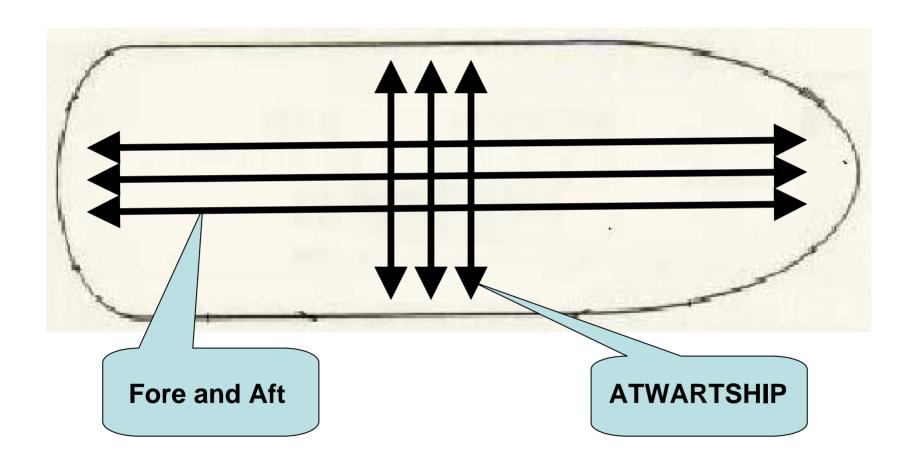
A – Height

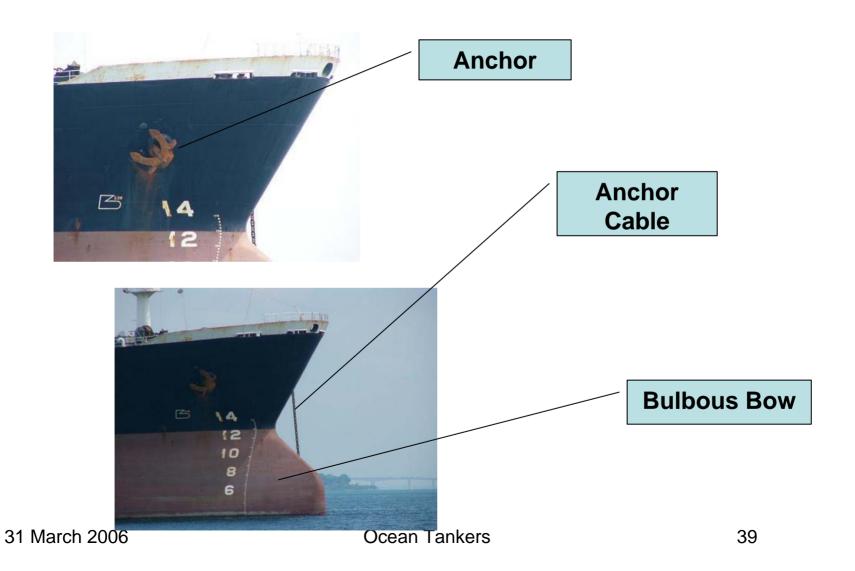
B – Air Draft

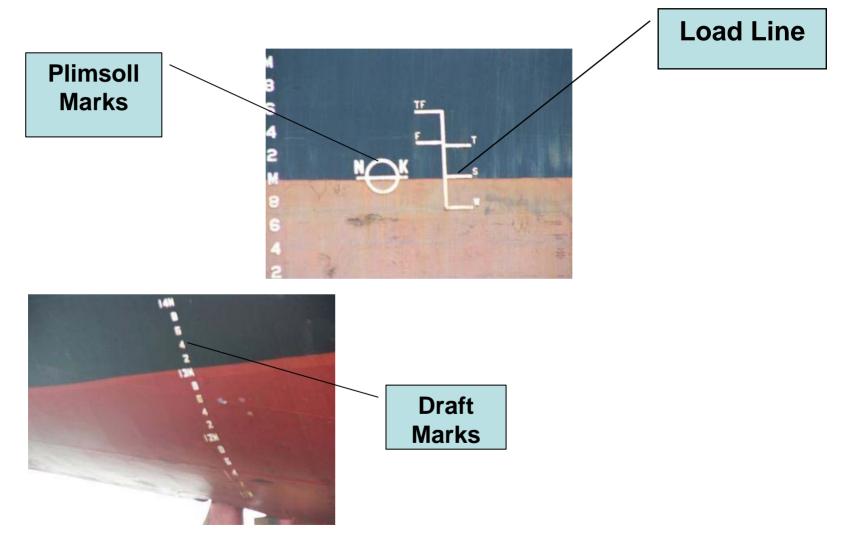
C - Freeboard

D - Draft

E – Under Keel Clearamce







Flags Signal

A - Diver underwater
B – Loading and Discharging dangerous cargo
G – I want a pilot
H – I have a pilot on board

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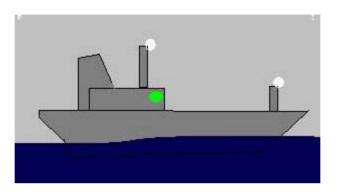
Flags Signal

O – Man overboard
P – Shore leave expires. Return to vessel
Q - Quarantine
NC – My vessel in distress

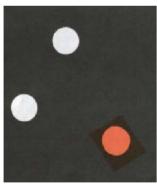
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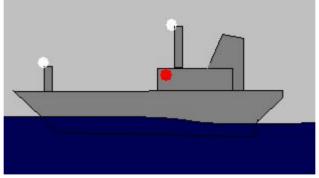
Night Signal





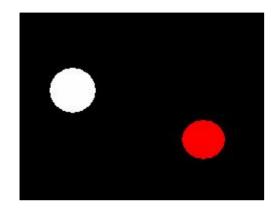
Ship more than 50 metres long showing starboard side

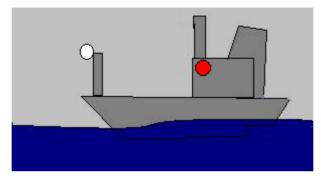




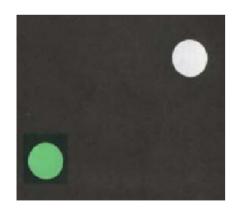
Ship more than 50 metres long showing port side

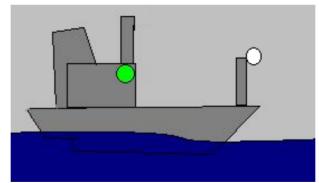
Night Signal





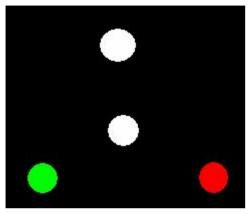
Ship less than 50 metres showing Port side lights

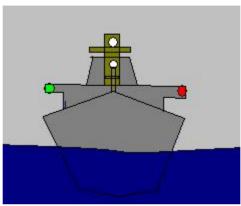




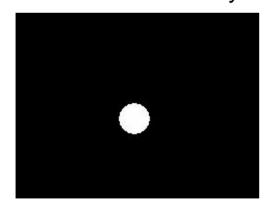
Ship less than 50 metres showing starboard side lights

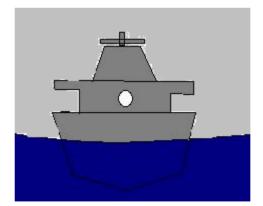
Night Signal





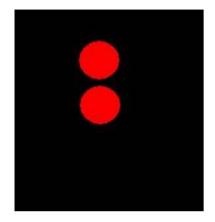
Ship more than 50 metres coming towards you

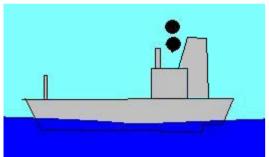




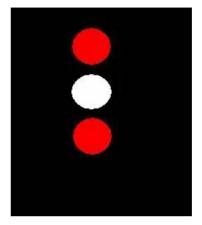
Ship stern light

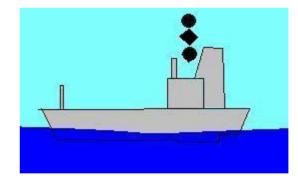
Night and Day Signal





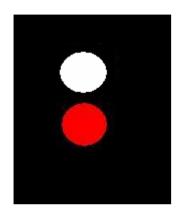
Ship NOT UNDER COMMAND



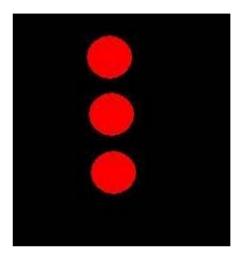


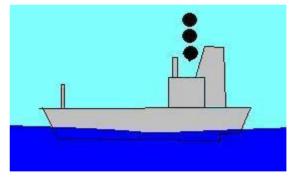
Ship restricted in ability to manoeuvre

Night and Day Signal



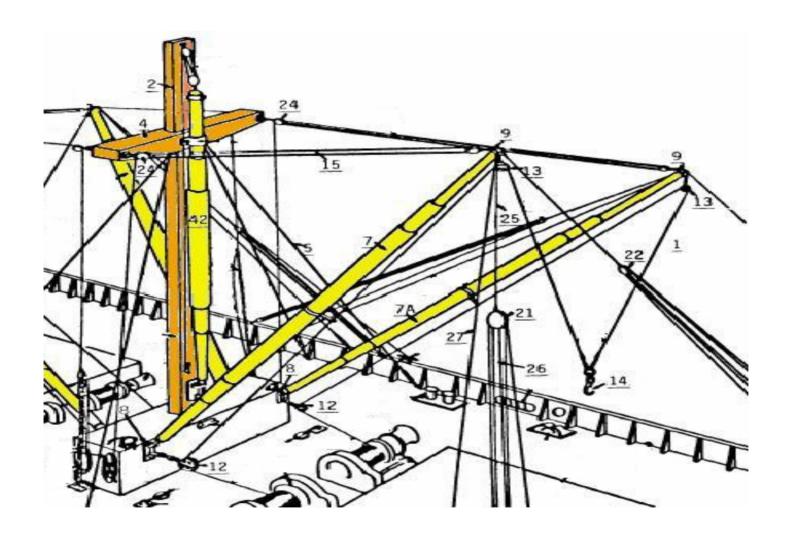
Pilot vessel





Deep draft ship

Parts of the Derricks



Parts of the Derricks

Two Derricks working together is called Union Purchase

15 – Topping Span

9 - Topping block

21, 26 27 - Steam Guy

7,7A – Derrick boom

12 – Heel block

14 – Cargo Hook

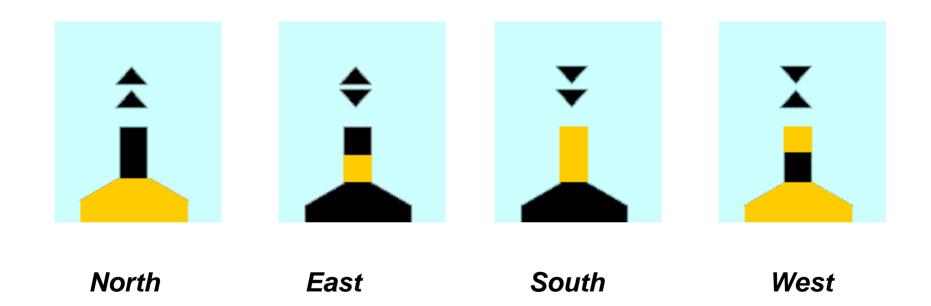
1 - Runner wire

22 - Preventer

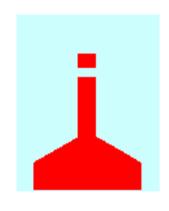
8 - Goose neck

13 – Cargo Block

Cardinal Buoy



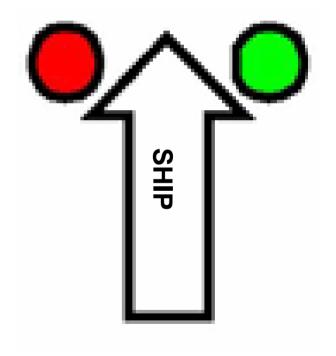
Channel or Canal Buoy



Port Hand buoy



Starboard Hand buoy



Classes of Fire





Fires caused by paper, wood, cloth, rubber, and certain plastics.

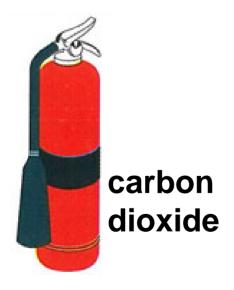


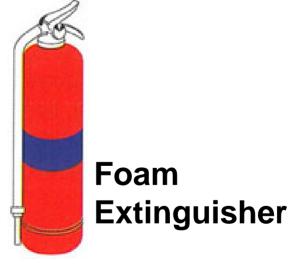
Water Extinguisher





Fires caused grease, gasoline, oil.



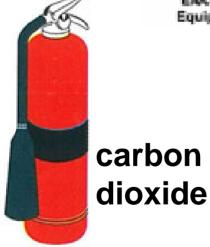


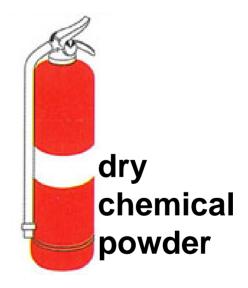
Classes of Fire





Electrical Fire









Metal Fire

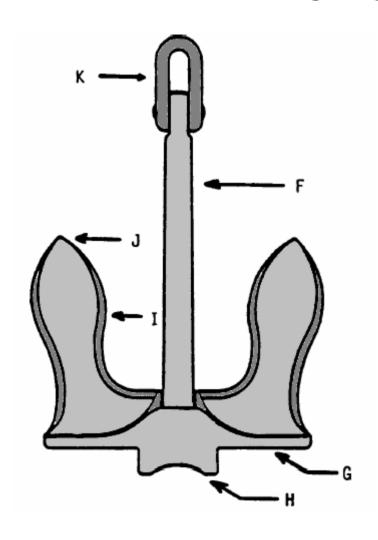
No common Extinguishers.

Special fire extinguisher use

Sodium Chloride and Argon
gas can be used



Anchor Work



K - Bending on Shackle

F - Shank

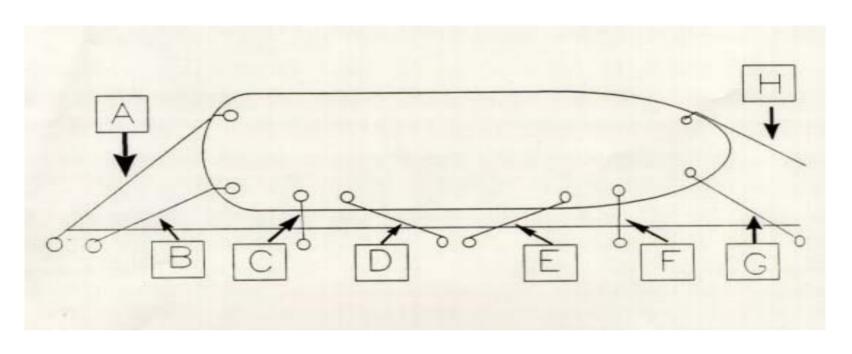
J - Pea

I - Fluke

G – Tripping Arm

H - Crown

Mooring



A B – Stern lines

D – Aft Spring E – Foreward Spring F – Foreward Breast Line

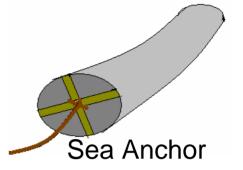
GH –Head Line

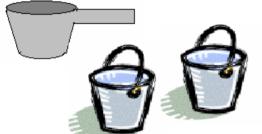
C – Aft Breast Line

LifeBoat Equipment



2 boat hooks





2 buckets and 1 bailer



Crutches



2 rope painters

LifeBoat Equipment



2 axes

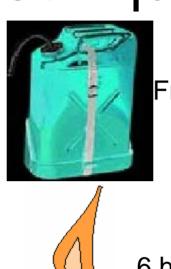


3 Graduated Drinking Containers



Torch light





Fresh water



First aid kit

LifeBoat Equipment



Anti seasickness tablets



Jack knife



3 can openers



Fishing hook and line





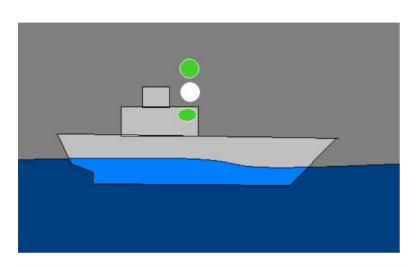
Heliograph



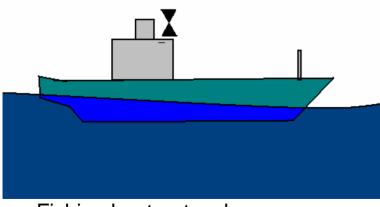
Food ration

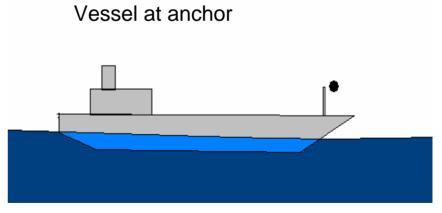
Additional knowledge for Boatswain

Lights and shapes



Trawler moving in the water



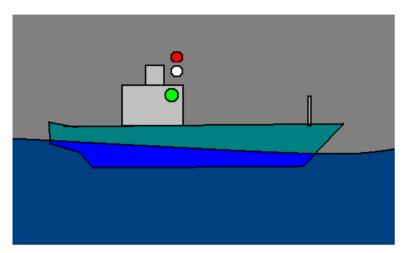


Fishing boat or trawler 31 March 2006

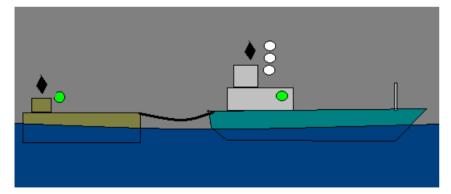
Vessel at anchor – day time

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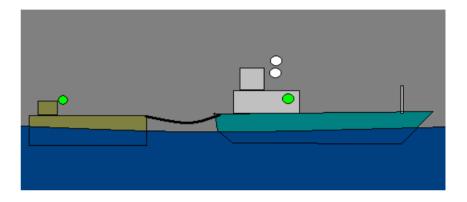
Lights and shapes



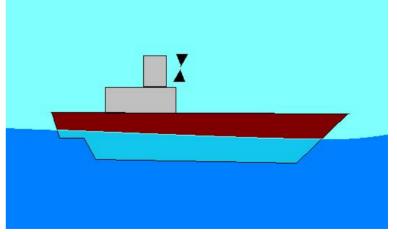
Fishing boat moving in the water



Towing greater than 200 meter



Towing less than 200 meter



Fishing boat or trawler

Flag Signal

E - I am altering my course to starboard
I - I am altering my course to port
M - I have a doctor on board
S - my engines are going full speed astern

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Flag Signal

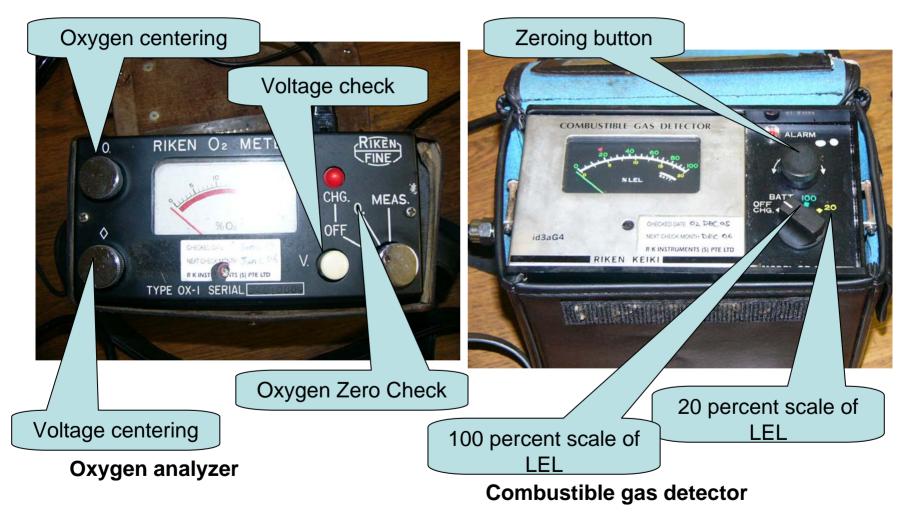
W - I require medical assistance
C – positive (affirmative)
N - Negative
V - I require assistance

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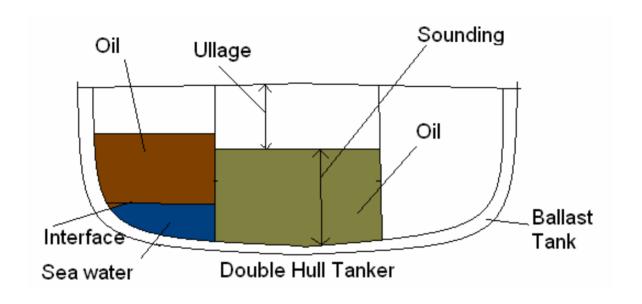
Cargo System

Additional knowledge for Boatswain and pump man

Gas Instrument



Cargo terms



OBQ (On board quantity) – cargo found in cargo tanks during inspection **before loading**

ROB (Remaining On board) – cargo found in cargo tanks during inspection <u>after discharge</u>