

Job No.	12.	Repair	D/D	Date	16.01.2006	Spec No.	11.4
Ship Name		Specification Title					
Perm		Rudder Survey					
Equip No.		Descrip	Rudder			Officer	
Spares	Yes	Indent No.	802		Survey	Yes	
Defect No.	RL 718-802-00840						

OUTLINE:

Class survey to be carried out on vessel's rudder

SIZE:

Suspended semi-balanced rudder

Height - 5,370 mm

Weight - 17,000 Kg

Area - 19.0 m²

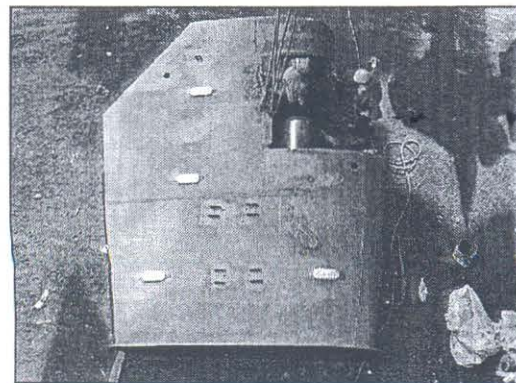
JOB AIDS:

Staging to 8 meters (160 m3)

Lifting equipment / Cranage

Air pressure testing equipment.

Yard equipment and material

**TESTS:**

Visual inspection by the Classification Surveyor and Superintendent or nominated ship staff

Rudder pressure air test – 0.2 bars

Palm bolts to be checked for cracks by nominated representative and submitted to Class surveyor

DETAILS :

Check and record upper and lower pintle bearing clearances. Allow for cutting and re welding of inspection covers: 500 x 500 mm - 2pcs. Portable cover: 550 x 1400 mm - 1pc.

Check and record jumping bar clearances.

Check rudder pintle nuts for tightness and re-grease.

Remove cement from rudder palm bolts and check for tightness. Re - cement on completion of inspection.

Remove rudder plugs and prove dry and gas free. Rudder plugs to replace and rudder to pressure test with soap and water to max 0.2 bar.

Quote separately for the following :

- Rewelding of 8,000 mm of weld seams on the rudder.
- Renewal of access plates for pintle checks.
- Un-shipping rudder for machining
- Renewal of jumping bar 1500 x 40 x 20 mm – 2 off.

