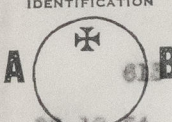


AMERICAN BUREAU OF SHIPPING

22 October 1954.

DATE

PORT NO. 54 AN510-	REPORT ON	repaired reinforced rudder.	PORT OF Antwerp-Belgium.
CERTIFICATE NO. 54 AN510-X			SHIPYARD HULL NO.
ESSEL	INTENDED FOR XXXXXXX repairs.		
	SHIPBUILDER Herc. Mar. Eng. & Graving Docks Co.		WORKS NO.
STAMPED FOR IDENTIFICATION  22-10-54.	ENGINE OR BOILER BUILDER		SERIAL NO.
	OWNER		OWNER'S CONTRACT NO.
	PURCHASER		PURCHASER'S ORDER NO.
ACCEPTED DATE 22-10-54.	repaired XXXXXXXX MANUFACTURED BY Herc. Mar. Eng. & Graving Docks Co.		MANUFACTURER'S NO.
MATERIAL TESTED	FOR (STATE STRUCTURE OR TYPE) Liberty type rudder.		WEIGHT
ANNEALED OR STRESS RELIEVED	PROCESS OF MANUFACTURE		INVOICE NO. (IF ANY)
P. (IF ANY)	DRAWING NO. AND DATE APPROVED		W. P. (IF ANY)

This is to certify that the undersigned Surveyor to this Bureau did at the request of Herc. Mar. Eng. & Graving Docks Co - S.A.

attend their plant at Antwerp- Belgium.

on the 6th day of September 19 54 and subsequent dates in order to examine and report

on repaired used rudder- , repaired XXXXXXXXXX manufactured

according to approved plans and to the Rules of this Bureau.

Details of construction: ~~XXXXXXXXXX~~ repairs.

- 1) Rudder tube tested at 400 p.s.i. and found in order.
- 2) Slightly irroded parts on rudder sideplating and bottom plate were ground and welded up.
- 3) Several leaking diaphragm welds were veed out and rewelded.
- 4) Port side, lower side plate, in way of trailing edge, a small inserted plate was fitted and welded.
- 5) Rudder journal machined, a stainless steel sleeve in two halves was shrunk on and welded. Afterwards journal machined to original diameter, in line with centerline of tube, was found in satisfactory condition.

Stamped: 54 AN510- M.M.E.
AMB. -615- P.W.
22-10-54.

Hydrostatic tests:

Side plating: 16 p.s.i.

31 MRT 1955

1st Visit: 6 Sept. Last Visit: 22 Oct. '54.

Fees: B.f. 3,000 No. of Visits: 3

Expenses: 300 Time Involved: -----

TOTAL: B.f. 3,300.-

Chief Surveyor

P. Nauters, Surveyor

This Report is issued subject to the condition that it is understood and agreed that neither the Bureau nor any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by this Bureau or its Surveyors or in any entry in the Record or other publication of the Bureau or for any error of judgment, default or negligence of its Officers, Surveyors or Agents,

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