

REPORT of SURVEY for REPAIRS, &c.

Date of writing Report 10 When handed in at Local Office 11:29 Port of GLASGOW.

No. in Reg. Book Survey held at TROON. Date, First Survey 8:1:29 Last Survey 25:2 1929

10126 on the Wood, Iron or Steel S.S. 3 Mot. S. EMERALD.

TONNAGE: Built at St. Glasgow. By whom A. Rodger & Co. When 1904-8

GROSS 736 Owners W. Robertson. Owners' Address

UNDER DEK 532 Managers Port belonging to Glasgow

NET 305

Surveyed Afloat or in Dry Dock? Dry Dock Name of Dock A. B. Thorne. Destined Voyage

WB=Cell DBor DBa feet; uE&B feet; f feet Particulars of Classification (which must be inserted

total capacity tons. FPT tons; APT tons; MT feet tons. precisely as in Register Book & Supplements).

N.B.—All alterations in the existing records should be underlined.

If the Vessel has Water Ballast Tanks, state whether the manhole covers have been removed, and the condition of the tanks examined. Also state the amount of deterioration (if any) found in the thicknesses of the floors, framing, girders, and of the inner bottom plating, especially in the boiler space.

Last Report, No. 47033 Port GLS.

(Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the

cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent repairs. Repairs

of Damage (the cause of which must be stated) should be separated from Repairs due to other causes;

see being detailed in the body of the report, should be summarised in the form shown below. Whenever the

out of Anchors or Chains is reported, the particulars should be clearly stated in the space provided on

this form. State also the date and initials of any letters respecting this case.

cases where the Surveyor has not made a special damage report he is required to state whether he

his services for this purpose and to whom and why they were declined

OR EXAMINATION AS PER RULE, FOR DAMAGE Stated to have been caused through

Grounding at Workington on 28th June 1928, and 2nd Through

causes unknown. also SECOND SPECIAL SURVEY No. 3:—

Now done:— Vessel placed in dry dock, the bottom keel and

rudder cleaned examined and coated.

DAMAGE REPAIRS:—

1st Grounding:—

Side: A STRAKE:— N. 9 plate renewed.

B:— N. 5 plate renewed and N. 9 plate faired in

place.

Bidge keel part removed faired and replaced.

OF DAMAGE REPAIRS:—

Shell Plates. Frames. R. Frames. Floors. Beams. Str. Plates. Dk. Plates. Other Items:—

wed 5 1 1 4

and Faired or Repaired 1 1 1

repaired in place 4 6 1

ION OF THE

Good

State if Tanks have been examined inside Yes

State if Tanks now tested Good

Bulkheads Good

Ceiling

Cement or asphalt (State which.)

Rudder

Steering gear and its connections

Windlass

Have Pumps now been examined and found efficient? Yes

Have Sludge Valves now been examined and found efficient? Yes

Have Watertight Doors now been examined and found efficient? Yes

Have Ventilators and their Coamings been examined and found efficient? Yes

Plating

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

Good

al Observations, Opinion as to Class, Recommendation, &c.:—

State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon survey, thus, for example:—"to remain as now classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey, 1, 2, 1," or "to remain as classed and to have record of survey, 1, 2, 1, and the notations of ss No. 1-24 and ptND24, &c."

The requirements of the Society's Rules for Second Special Survey having been complied with, the vessel is now in good and efficient condition and eligible in our opinion to remain as classed in the Register Book with fresh record of Survey 2-29; and the notation of ss. TRN. 2nd N. 3. 2-29.

per Section 29

18:15:0

5:5:0

2:12:9

Second Surveyor's Fee (if any)

Committee's Minute GLASGOW

Character Assigned 100 A1

S.S. 2nd No. 3-229

Cargo battens not fitted.

12 MAR 1929

12 MAR 1929

12 MAR 1929



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5/5 "EMERALD." - DAMAGE REPAIRS:-

STARBE SIDE:-

A STRAKE:- No. 10 plate & No. 11 plate faired in place.

B STRAKE:- No. 4 plate renewed.

C STRAKE:- No. 6 plate faired in place.

Bilge keels part-removed, faired and replaced.

Odd rivets and caulking made good.

FLOOR PLATES:- 4 floor plates renewed, and one faired in place.

Rudder lifted. 4 pintles renewed.

Double bottom & peak tanks examined internally and afterwards tested by water pressure & found in order.

2ND DAMAGE:-

D STRAKE. No. 3 plate (S.S) faired in place.

E STRAKE:- No. 2 plate (P. & S) renewed.

One beam knee plate removed faired and replaced.

Five frame brackets to Tank top (Forepeak) removed faired and replaced.

Five frame bars faired in place.

SECOND SPECIAL SURVEY No. 3:-

Vessel placed in dry dock, the bottom keel & rudder examined and coated. Rudder lifted & repainted.

The holds, peaks, coal bunkers and machinery space cleared.

When Anchors or Cables are supplied, the particulars are to be reported in the following form:-

ANCHORS.

Number of Certificate.	Anchors #	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY RULE.			Description of Anchor.	Makers.	Where and when Supplied.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	Owts.	qrs.	lbs.	Owts.	qrs.	lbs.			
	1st Bower ...																
	2nd "																
	3rd "																
	Collective Weight.																
	Stream																
	Kedge.....																

* When a bower anchor is supplied it must be clearly stated whether it is a 1st, 2nd, or 3rd bower.

CHAIN CABLES.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and also per Rule.		Description.	Makers of Cables.	When and where Supplied.
	Length	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.			
Towline	90	3"	18 Tons test.				90	3"			
Iron Stream Chain or Steel Wire	60	3 1/4"	22 Tons. -"				60	3 1/4"			

All close ceiling removed from Tank top and sides of vessel holds & bunkers, timber boards removed throughout, all coats of soil, scupper, air & sounding pipes removed. Steel exposed, including plating in way of sidelights. Oxidation removed from the surfaces of steel throughout and with exception of parts repaired stated below found in good condition & correct. Steel plating drilled and gauged for particular.

Over end of Report.



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"EMERALD:-"

3.

the double bottom and peak tanks tested by water pressure subsequently examined internally, floors sealed and coated where necessary. All broken & loose rivets made good. Tank top & limbers tarred and painted and ceiling laid on tank top & limbers throughout. NO CLOSE OR SPAR CEILING replaced.

Decks drilled and gauged. Chain cables ranged and examined. Chain locker examined, cable fastenings examined, found in order & cables replaced.

anchors and general equipment examined. Mast's spars & rigging examined (wedges removed & replaced) canvas covers replaced or renewed. (Report attached)

atches, covers, supports and fastenings examined in position at the hatchways & made good where necessary. Ventilator coamings & covers examined.

The steering engine & its connections, steering rods, chains, blocks, rudder quadrant, steering gear, windlass, hand pumps, air & sounding pipes, examined & found or put in good condition.

Doubling plates found or fitted under all sounding pipes. Steelband verified.

REPAIRS:- Wear and Tear:-KEHOLD:-

Two forward boiler stools renewed. Margin plate on each side renewed. Rider plate & Tank top plates renewed, and a number of reverse bars on top of floors renewed. Two intercostal plates renewed.

WATER:- Aft Bulkhead practically renewed complete with stiffeners to same. Brackets to shell & Bulkhead renewed.

WATER:- A number of rivets in beam knees cut out and renewed. Fore stringer brackets renewed. Gun angles under deck at amidships and fore end renewed. Ordeal gun angles on deck brackets renewed. Two margin plates part doubled.

BEFORE & AFTER PEAKS:- Fore peak tank top part renewed. Aft peak tank top part doubled.

WORKS:- Two bulwark stays removed failed and replaced & two failed in place. Rail bar failed in place. Two bulwark plates renewed.

WATER TOP:- Casings top plating part renewed

WORKS:- 16. Deck plates renewed. (4 7/16, 5 1/2, 5 1/4 & 7 1/4)

Stream wire and Showline renewed. (See page 2)

General ventilators renewed.

P.T.O.



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"EMERALD."HATCHWAYS:-

Side coamings part renewed.

Port Hatchway extended in length

New webs, covers & tarpaulins completed.

as per approved plan. forwarded herewith.

General items on deck of a minor nature made good.

Result of Steel Drillings

Lkts.	Aft.		Bunkers.		amidships		Fore.	Rule.
	Port.	Star.	P.	S.	P.	S.	P.S.	
	7	6½	7½	7	8½	8¼	6½. 6	7
sheer.	12.	10.	(local) 9½	11¼	(in way of doublers) 10. 10.		12. 12.	13-8
	7½	6½	7½	6½	8¼	8½	7. 7.	8. 7
	7½	7	8½	9.	9½	9½	8. 9.	8. 7
	8	7½					7. 7½	98. 7
	8.	7½						

H
G their 13.8.8
F 8.7.7
E 8.1.7
D 9.9.7
C

W. H. H.