

27 JUL 1948

(Received at London Office)

No. 56166

## REPORT OF SURVEY FOR REPAIRS, &amp;c.

Survey Report. 24th. July. 1948. When handed in at Local Office. 24th. July, 1948. Port of CARDIFF  
 Survey held at CARDIFF Date, First Survey 29 Apr. Last Survey 26 June 1948  
 on the WATERLOO Steel "TENAGODUS" (No. of Visits 24)

NAME: Built at MOBILE, ALA. By whom ALABAMA D.D. & S.E. CO. LTD. When 1944  
10644 Owners ANGLO-SAXON PETROLEUM CO. LTD. Owners' Address -  
 DK. 9489 Managers - Port belonging to LONDON  
6300 (If not already recorded in Appendix to Register Book).

At Float or in Dry Dock? Both. Name of Dock Queens Dock & Roath Basin Destination Voyage -  
 Draught 14 feet; uE & B. 14 feet; f. 14 feet  
 Capacity 10644 tons. FPT 10644 tons; APT 10644 tons; MT 10644 tons.  
 Only alterations in the existing records of tanks should be inserted.

Report, No. 10644 Port CARDIFF

Surveys, when held, must be reported in detail and serially in the terms of the Rules and Items remaining to complete repairs should be summarised. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations subsequent repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to wear; and besides being detailed in the body of the report, should be summarised in the form shown below. Whenever the extent of Anchors or Chains is reported the particulars should be clearly stated in the space provided on the back of this form. To the dates and initials of any letters respecting this case.

In cases where the Surveyor has not made a special damage report he is required to state whether he has accepted his services for this purpose and to whom and why they were declined.

## Particulars of Classification (which must be inserted precisely as in Register Book &amp; Supplements)

CHARACTER: 100A1  
 \* for Special Survey. Date of last Survey and of Periodical Surveys. Machinery and Boiler Surveys (including date of N.B., if any).  
 (Classification Contemplated)  
 Examined 9, 47  
9, 47  
 Fitted for oil fuel  
 Carrying petroleum in bulk.  
 Society's Freeboard (if assigned) as painted on Ship and now verified } 9 ft. 2 1/2 ins.

Was a damage report made by anyone else? if so, by whom?

REPAIRS, OR EXAMINATION AS PER RULE, FOR Special Survey B (Class contemplated) and Alterations.

Reason for Special Survey. Vessel in dry dock. Bottom and Rudder cleaned, examined and afterwards repainted. Rudder specially examined in accordance with Circular 1370 and found satisfactory. Superstructures, peaks, engine and boiler spaces examined. Double bottom tanks, and Fore and Aft Peak Tanks tested to Rule and found satisfactory. Oil fuel bunkers, including deep bunkers, tested to Rule and found satisfactory. All cargo tanks examined internally and found to Rule requirements. Cables ranged, chain locker, anchors, decks, casings, boats, mast and rigging, general equipment, hatchways, ventilators, all closing appliances, pumps, air and steering pipes, windlass, steering gear, main and auxiliary examined and found or made satisfactory. Freeboard verified.

Plans C.11(c) and C.12(a) have been forwarded.

OF DAMAGE REPAIRS:—	Shell Plates.	Frames.	R. Frames.	Floors and Bracket Floors	Beams.	Inner Bottom Plates.	Dk. Plates.	Other Items:—
examined ...								
removed and Fair'd or Repaired								
examined or Repaired in place	<u>9</u>							<u>2 longitudinal repaired &amp; one web frame repaired.</u>

CONDITION OF THE	Bulkheads	Engine Room Skylights	Copper, or Y.M.
<u>Good.</u>	<u>Good.</u>	<u>Good.</u>	(State if on Pelt.)
Decks	Ceiling	Coal Bunkers, Openings, Covers, &c.	When fitted, Month Year
"	Cement or Asphalt	Oil Bunkers	
"	Rudder	Scuppers	Boats
Fastenings	Steering gear and its connections	Cargo Hatchways	Masts, Yards, &c.
"	Windlass	Hatches	Condition, how ascertained (State if wedges removed.)
in way of sidelights	Have pumps been examined and found efficient?	Planking	Equipment letter
"	Have Sluice Valves been examined and found efficient?	Caulking	Anchors, No. of
"	Have Watertight Doors been examined and found efficient?	Treenails	Cables (State if now ranged)
"	Have Ventilators and their Coamings been examined and found efficient?	Breasthooks & Stems	" length <u>270F.</u> mean diamr. <u>2 1/2</u> x <u>2.5/16"</u>
"	Air and Sounding Pipes	Transoms, Pointers & Crutches	" Rule length <u>330F.</u> size <u>2.5/16"</u>
"	Doubling Plates under Sounding Pipes	Timbers of Frame at openings	Chain Locker
om Plating		" " at other places	Hawsers & Warps
Tanks been examined internally?		Stringers, Clamps & Shelves	Standing and Running Rigging
Tanks been tested?		Setting (State if examined.)	Sails

## General Observations, Opinion as to Class, Recommendation, &amp;c.:—

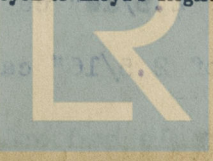
State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon survey, thus, for example:— "to remain as classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey, 1,38," or "to remain as classed and to have record of survey, 1,38, and the notations of ss No. 1-38."

The vessel as now seen is eligible in my opinion to remain as classed with fresh dry docking date and notation "S.S.Cff.6,48" subject as previously recommended, to permanent repairs to indented etc. (port and starboard) at first convenient opportunity.

(per Section 29)	£ 142: -	Fees applied for,
Survey or Repair Fee (if any)	80: -	19
Expenses (if chargeable)	10: -	Received by me,
Surveyor's Fee (if any)	£ :	19

ENCE CASE.  
 Fee's Minute  
 By Mr. J. H. (Classified)  
 Assigned 6.48 Cff. embriest  
Write down ss Cff. - 6.48 B8.6.48  
65.48

Dun's Sullivan  
 Surveyor to Lloyd's Register of Shipping.



Lloyd's Register  
 Foundation

Is Certificate required? If so, to be sent to

003328-00332-0210 1/2



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The deck plating, bottom shell, F strake above bilge and J strake below main sheer port and starboard have been cut and riveted straps fitted to extent shown on and in accordance with approved plan and specification. The side shell straps are 16" wide with 6 rows of rivets.

Wing cargo tanks port and starboard were tested to a head of 8'-0" on completion of strapping and found satisfactory.

Modifications. The bottom corners of longitudinal bulkheads at 4/5 and 6/7 Thwartship Bulkheads were cut away and a new portion inset as in Sister Ship

"TECTARIUS", Cardiff Report No. 56106.

Sixteen horizontal brackets to deep webs on Transverse Bulkheads 4/5 and 6/7 cropped  
 and sniped tee bars connections fitted to bulkhead with horizontal brackets welded  
 to tee bars as in "Tectarius". (The other 2 horizontal brackets on 6/7 Bulkhead  
 had been previously fitted to tee bars.)

Bilge keels port and starboard sniped for 5'-0" at each end and doubling plates fitted to shell in way.

Save-all bars now fitted around bottom of oil fuel tanks port and starboard in Engine

Room. , and motor oil used . bearings, engine and boiler spaces examined .

Wear and tear. Repairs. Minor repairs effected as per licence sheets C.1/1174.

Deferred Damage Repairs. Shell plates Port J.12 and 13 faired in place and 2

longitudinals, cropped part removed, faired and refitted and one deep web in way cropped

and part renewed in No.3 Port wing tank, also Port side F.9 & 10 shell plates faired

in place and starboard shell plates J.5, 6 & 9 and F.8 & 10 faired in place to

facilitate fitting of riveted straps.

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

## ANCHORS.

Number of Certificates	Anchors	WEIGHT OF STOCK.			TEST PER CERTIFICATE.			WEIGHT REQUIRED BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Tons	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
52143	1st Bower	101	3	26	-	-	68	-	-	95	-	Stockless Cast steel	W. Byers	LPHS 30.4.48
23344	2nd "	100	3	21	-	-	67	12	2	"	"	-do-	-	LPBEC 28.5.48
23345	3rd "	98	3	21	-	-	66	17	2	"	"	-do-	-	F.W. Dovey.
"	Collective Weight	301	3	12	"	"	"	"	"	294	-			"
"	Stream.....	38	1	26	"	"	34	18	0	17	28	-	Amman Co. Lincoln	"
"	Kedge.....										-	-	82 x 11 1/2 196099	"

## CHAIN CABLES.

[illegible]

S.R.List. Remainder of indented side shell plating and bottom plating, not repaired at this time, remains efficient.

2. 9/32" diameter W.T. cable: 2 Bower anchors and one stream anchor.

165 fathoms of 2½" H.T. cable and both bower anchors now tested at Proving House and a new Bower anchor supplied, particulars as above. Certificates endorsed.

75 fathoms of 2.9/32" cable condemned as undersize.

105 fathoms of 2.5/16" cast steel cable now supplied, was rejected as Certificates showed that cable had only been tested to  $96\frac{1}{2} / 134\frac{5}{8}$  tons (wrought iron equivalent).

TENAGODUS ".

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105 fathoms of 2.5/16" H.T. steel cable removed from T.E.S. "THALAMUS" at Swansea, now fitted to starboard anchor. This cable (not tested at this time) is part of 300 fathoms 2.5/16" H.T. steel cable Certificate No.P.H. 21324 issued Pittsburgh 6.3.45. This certificate has been endorsed as follows "Seven lengths (105 fathoms) of this cable have been removed and fitted on Starboard anchor (first 7 lengths) of T.E.S. "TENAGODUS" and Report 10 (copy herewith) has been attached thereto.