

Rpt. 9

-2 OCT. 1961

Date of writing report 16-9-61. Received London Port SINGAPORE. No. 15038
Survey held at SINGAPORE. No. of visits 4 First date 6-9-61. Last date 14-9-61.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 11670 Name M.V. "FRENULINA" Gross tons 1041. Date of build 11-1945
Owners SHELL TANKERS LTD. Managers - Port of Registry LONDON.
Engines made 11-1945 By BRITISH POIAR ENGINES LTD. Type Oil Eng. 2SA 4Cy. 340 x 570 mm.
No. of Main Engines 1 No. of Screws 1 Records of Survey & Special Notations as per Register Book
No. of Main Boilers - W.P.-
No. of Aux./W.P. Boilers 2 Auxb. W.P. 180 lb.
Surveyed Afloat or in Dry Dock Afloat
Nature of Survey Dkg. TSOG. ABS.
Was Damage Report issued? - Int. Cert.? Yes
Last Report (For Head Office only)

Hull		Machinery	
+100A1 with freeboard Oil Tanker.			
Dkg.	10/60	+LMC	7/58
SS.	7/58	ABS	10/60
(Dr).	4/54	TSOG	4/59
		sps	2/60
LF at btm & dk.		ptEW	

Yes
Now

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers Good Wear Down of Stern Bushes 0.029" Oil Glands Good Sea Connections Not Exd.
Fastenings Good Has Screwshaft Tubeshaft been drawn? Yes Date of Examination 6-9-61. Has Shaft been changed? No
Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? No Approved oil gland? Yes

MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD
1 Cyls., Covers, Pistons & Rods.
2 Valves & Gears.
3 Connecting Rods, Top Ends & Guides { Side Centre
4 Crankpins & Bearings { Side Centre
5 Journals & Bearings.
MAIN ENGINE DRIVEN AIR COMPRESSORS
6 Cyls., Covers, Pistons & Rods.
7 Connecting Rods & Top Ends.
8 Crankpins & Bearings.
9 Journals & Bearings.
10 Coolers & Safety Devices.
MAIN ENGINE DRIVEN SCAVENGE PUMPS
11 Cyls., Covers, Pistons & Rods.
12 Connecting Rods & Top Ends.
13 Crankpins & Bearings.
14 Journals & Bearings.
15 Levers.
16 SCAVENGE BLOWERS.
17 SUPERCHARGERS.
MAIN TURBINES
18 Casings, Rotors, Blading, Bearings & Thrusts.
19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES).
20 STEAM COMPRESSORS.
21 CLUTCHES & HYDRAULIC COUPLINGS.
22 REDUCTION GEARING.
23 THRUST BLOCKS, SHAFTS & BEARINGS.
24 INTERMEDIATE SHAFTS & BEARINGS.
25 HOLDING DOWN BOLTS & CHOCKS.
26 CONDENSERS (MAIN & AUX.).
27 STEAM RE-HEATERS.
28 DE-SUPERHEATERS.
29 STOP & MANOEUVRING VALVES.
30 MAIN ENGINE DRIVEN PUMPS.
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES.
Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS. The machinery of this ship so far as now seen is eligible in my opinion to remain as Classed with fresh notation of screwshaft seen (OG) 9,61 and fresh record of ABS 9,61.

THURSDAY 19 OCT 1961

Date of Committee
Decision ABS 9. 61
TS 9. 61

Noted
for
Header

50m.4,59 T. (MADE AND PRINTED IN ENGLAND)

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W. F. Taylor
Engineer Surveyor to Lloyd's Register of Shipping
Foundation
008417-008427-0097

- 32 Essential Independent Pumps (Identify by position).....
- 33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls.....
- 34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?.....
- 35 Fresh Water Coolers..... 36 Lub. Oil Coolers..... 37 Heaters (state service).....
- 38 Independent Air Compressors, Coolers & Safety Devices.....
- 39 Air Receivers & Safety devices—Main..... 40 Auxiliary.....
- 41 Oil Fuel Tanks (Not forming part of hull structure).....
- 42 Evaporators..... 43 Have Evaporator Safety Valves been tested under steam?.....
- 44 Steering Machinery..... 45 Windlass..... 46 Fire Extinguishing Arrangements.....

AUXILIARY ENGINES (Identify by position).....

PROPULSION		ELECTRICAL EQUIPMENT	
		PORT	STARBOARD
a	Generators		
b	Exciters		
c	Air Coolers		
d	Motors		
e	Air Coolers		
f	Control Gear, Cables, etc.		
g	Insulation Resistance		
h	Insulating Oil Test		
i	Overspeed Governors		
j	Magnetic Couplings		
k	Air Gap		
		AUXILIARY EQUIPMENT	
		l Generators & Governors	
		m Motors	
		n Switchboards & Fittings	
		o Circuit Breakers	
		p Cables	
		q Insulation Resistance	
		r Steering Gear Generators and Motors	
		s Navigation Light Indicators	

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN	AUXILIARY, DONKEY & PRESS Port & Starboard (8-9-61)
	Good
Superheaters	-
Safety Valves	Good
Mountings, Doors & Fastenings	Good
Safety Valves Adjusted to { Sat.	180 lbs per sq.inch.
{ Spt.	Good
Boiler Securing Arrangements	Good
Main Economisers	Exhaust Gas Heated Economisers
Steam Heated Steam Generators	Steam Generator Safety Valves Adjusted to
Were Oil Burning System & Remote Controls examined working in accordance with Rules?	Yes Forced Circulating Pumps
Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?	Funnel Good

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main	Auxiliary (over 3 in. bore)
Were Copper Pipes annealed?	Have Saturated Pipes in cylindrical boiler smoke boxes been tested?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

WEAR & TEAR REPAIRS

Screwshaft oil gland completely overhauled and new compression plate fitted.
Minor repairs to boiler mountings.

LEAVE THIS SPACE BLANK

Survey fees ... \$288 ABS
\$ 90. TSOG

Damage fee ...
Expenses ... \$ 15.

Date when A/c rendered

19/9/61

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