

Rpt. 9

Date of writing report 30 OCT. 1957

Received London 12 NOV. 1957

Port SINGAPORE

No. 12286

Survey held at SINGAPORE

No. of visits 13

First date 16 SEPT.

Last date 2 OCT. 1957.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.S.B. 59152 Name M.V. M. Tankers "ENSIS" Gross tons 6207 Date of build 1937-2

Owners SHELL PETROLEUM CO. LTD. Managers - Port of Registry LONDON

Engines made 1937-2 by GEBR. STORK & CO. Type Oil Eng 4SA 6Cy

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book MN (377).

No. of Main Boilers - W.P. -

No. of Aux. Donkey Boilers 1db W.P. 180 lb

Surveyed Afloat or in Dry Dock BOTH.

Nature of Survey DKC, DBS, CS & S.R.L.

Was Damage Report issued? NO Int. Cert. YES.

Last Report (For Head Office only)

Hull	Machinery	
+100A1	+LMC CS	11, 54
Carrying petroleum in bulk.	DBS	10, 56
Dkg.	TS (CL)	10, 56
SS. Npt. (Dr)	Sps.	11, 54
Mchy. aft		

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 1/16 INS. Oil Glands - ALL INLET & DISCHS. COOD.

Fastenings GOOD Has Screwshaft/Tubshaft been drawn? NO Date of Examination - Has Shaft been changed? NO

Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? -

MAIN ENGINES (Recip. Steam or I.C.)

1 Cyls., Covers, Pistons & Rods

2 Valves & Gears

3 Connecting Rods, (Side)

Top Ends & Guides (Centre)

4 Crankpins & (Side)

Bearings (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 ARCTS. ALL 6 CYLS.

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

THRUST BLOCKS, SHAFTS & BEARINGS

INTERMEDIATE SHAFTS & BEARINGS

HOLDING DOWN BOLTS & CHOCKS GOOD

CONDENSERS (MAIN & AUX.)

STEAM RE-HEATERS

DE-SUPERHEATERS

STOP & MANOEUVRING VALVES

MAIN ENGINE DRIVEN PUMPS L.P. OIL FUEL PUMP. ATTACHED BILGE PUMP.

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS

The Mchy. of this vessel so far as now seen is eligible in my opinion to remain as classed with fresh Record of DBS 10, 57 now and CS (with date) on completion of the Survey, subject to the water end of the Eng. Rm. cooling pump being removed by 10, 58 (12 mtr.) and without special cond. re. P.T.W. cooler.

Date of Committee THURSDAY 28 NOV 1957

Decision See Rpt. 8

30m, 6, 55. T. (MADE AND PRINTED IN ENGLAND.)

Noted
for
HeaderJ. A. Boates 2020
Engineer Surveyor to Lloyd's Register of ShippingLloyd's Register
Foundation

002630-002638-0245 1/2

22 Essential Independent Pumps (Identify by position) LUB. OIL PUMP, P.C.W. PUMP
 23 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls
 24 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?
 25 Fresh Water Coolers P.C.W. (TESTED) 26 Lub. Oil Coolers 27 Heaters (state service)
 28 Independent Air Compressors, Coolers & Safety Devices FORWARD COOLERS (TESTED) WITH ITS STM. ENG.
 29 Air Receivers & Safety devices—Main LOWER 30 Auxiliary
 31 Oil Fuel Tanks (Not forming part of hull structure)
 32 Evaporators 33 Have Evaporator Safety Valves been tested under steam?
 34 Steering Machinery 35 Windlass 36 Fire Extinguishing Arrangements GOOD.

AUXILIARY ENGINES (Identify by position)

PROPULSION	PORT	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
		STARBOARD		
Generators				Generators & Governors
Exciters				
Air Coolers				Motors
Motors				
Air Coolers				Switchboards & Fittings
Control Gear, Cables, etc.				Circuit Breakers
Insulation Resistance				Cables
Insulating Oil Test				Insulation Resistance
Overspeed Governors				Steering Gear Generators and Motors
Magnetic Couplings				Navigation Light Indicators
Air Gap				

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

MAIN (AUXILIARY) DONKEY (PRESS) 19 SEPT. 1957.
 Superheaters
 Safety Valves
 Mountings, Doors & Fastenings
 Safety Valves Adjusted to Sat. 180 LB.
 Spt.
 Boiler Securing Arrangements
 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

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)

S.R.L. (153): P.C.W. cooler water box renewed. It is submitted that this item be deleted from the S.R.L.
 New water and for Eng. Rm. cooling pump not yet delivered, existing water and re-examined and found satisfactory for a further 12 mths.
 REPS. (W&T): No 2 piston renewed (LLOYD'S TEST 180 LB. TM. 28-11-52, O/2035)
 (No 2 piston renewed (LLOYD'S TEST NO 25960).
 No 2 piston rod palm machined.
 (No 2 and 6 air pumps renewed) No 6 air pump renewed (LLOYD'S TEST 30 ATM. NO 4626. 17-1-55 A.J.T.)
 No 2, 5 and 6 cross pin bearings retapped.
 Main Eng. attached L.P. oil fuel pump suction and delivery valves and seats renewed.
 Main eng. attached bilge pump scrolls renewed and casing machined to suit.
 Independent P.C.W. pump stm. and water cys.
 — PLEASE SEE CONT. SHEET.

Survey fees DBS \$100
 CS \$300
 Damage fee
 Expenses... \$15
 Date when A/c rendered 24/10/57

Rpt. 9a
 Port of SINGAPORE Continuation of Report No. 12266 dated 30 OCT. 1957. on the

M.V. "ENSIS" (MCHY.)
 Bored out, new pistons and bushes fitted.
 Both cys. renewed (LLOYD'S TEST 60 KG / CM. 29-10-56. J.W.) on forward starting air compr.
 Pad for blow down valve on dry. air renewed.
 Both. std. manifold door fitted up with E.W. and refitted.
 Internal feed water branch piece renewed.
 Several c.e. stays renewed.
 A number of rivets renewed in furnace connections to front end plate and back tube plates.
 Dry. air. examd. under dry. test and atm. on completion of rep.

J.B.