

WRECK SECTION No. 794-D

29 MAY 1961

Rpt. 9 Date of writing report 26.5.61. Received London Port SOUTHAMPTON. No. 26856. Survey held at Woolston & Fawley. No. of visits 2 First date 15.5.61. Last date 18.5.61.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 60295. Name M.V. "ESSO PURFLEET". Gross tons 10712. Date of build 1944. Owners Esso Petroleum Co. Ltd. Managers Port of Registry London. Engines made 1944. By Westinghouse Electric. Type St. turbine connected to elec. motor and sc. shaft. No. of Main Engines 1. No. of Screws 1. No. of Main Boilers 2. WT. W.P. 500 lb. Spt 464 lb. No. of Aux./Donkey Boilers - W.P. - Surveyed Afloat or in Dry Dock Afloat. Nature of Survey Eng. Repairs. (SRI). Was Damage Report issued? - Int. Cert.? Yes. Last Report (For Head Office only) 26833 - Sou

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... Wear Down of Stern Bushes... Oil Glands... Sea Connections... Fastenings... Has Screwshaft Tubeshaft been drawn?... Date of Examination... Has Shaft been changed?... 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.) PORT STARBOARD... 1 Cyls., Covers, Pistons & Rods... 2 Valves & Gears... 3 Connecting Rods, Top Ends & Guides... 4 Crankpins & Bearings... 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 vessel, so far as now seen is in good condition and eligible in my opinion to remain as now classed without fresh record of survey, and without subject regarding repairs to the fwd turbo feed pump.

Date of Committee THURSDAY 15 JUN 1961 Decision Deferred for JS (by 7.61) without p.cdn



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- 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)

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

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

MAIN	AUXILIARY, DONKEY or PRESS
Superheaters .....	.....
Safety Valves .....	.....
Mountings, Doors & Fastenings .....	.....
Safety Valves Adjusted to { Sat. ....	.....
{ 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?	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)

W & T Repairs:- Fwd turbo feed pump rotor shaft renewed, rotor and shaft dynamically balanced and subsequently refitted in turbine.
 Pump examined under working conditions and overspeed governor adjusted and found satisfactory.

S.R.L. It is submitted that the item "Fwd turbo feed pump to be repaired by the end of May, 1961", be deleted from the S.R. List.

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Survey fees ... £5-5-0.

Damage fee ...

Expenses... £1-14-6.

Date when A/c rendered... 26/5/61

