

Rpt. 9

Date of writing report August 22, 1958

Received London

15 SEP 1958

Port Baltimore

No.

11465

Survey held at Baltimore, Md.

No. of visits 5

First date Aug. 12th 1958 Last date Aug. 20th 1958

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.E. 75193 S.S. Name ~~NYK~~ "PINNACLES"

Owners Shell Canadian Tankers, Ltd.

Managers -

Gross tons 10641 Date of build 1944

Engines made 1944 By General Electric Co., Lynn, Mass.

Port of Registry MONTREAL

No. of Main Engines 1 No. of Screws 1

Type Steam turbine connected to elec. motor & sc. shaft.

No. of Main Boilers 2 WT. W.P. 500 lbs. Spt.

Records of Survey & Special Notations as per Register Book

No. of Aux./Donkey Boilers - W.P. -

Surveyed Afloat or in Dry Dock Both

Nature of Survey DS., MBS, Sps.

Was Damage Report issued? - Int. Cert.? Yes.

Last Report (For Head Office only)

| Hull | Machinery |
|-------------------------------|-----------|
| BS | MBS |
| DS | ES |
| SS (DR) (Nyk.) | MBS |
| tanker - oils FP below 150°F. | TS (CL) |
| | Sps. |
| | 4-57 |

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 5/32 Oil Glands Sea Connections

Fastenings good Has Screwshaft/Tubeshaft been drawn? No 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 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) good & tested

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? Yes.

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel, so far as now seen is in good order, eligible in my opinion to remain as now classed with fresh records of MBS. 8,58 & Sps. 8,58.

Date of Committee

NEW YORK

SEP 3 1958

Decision

As per

for Header

Engineer Surveyor to Lloyd's Register of Shipping

013033-013041-0113

TABLE 1

PARTS OF THE SHIP AS INDICATED BELOW HAVE BEEN EXAMINED FOR Docking & Annual Freeboard Survey SURVEY

32 Essential Independent Pumps (Identify by position) Both Main Feed Pumps - good

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 Both good & tested Heaters (state service) 1st Stage - good

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 good

AUXILIARY ENGINES (Identify by position)

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

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

MAIN Port & Starboard, good. August 15th 1958 AUXILIARY, DONKEY or PRESS

Superheaters good

Safety Valves good

Mountings, Doors & Fastenings good

Safety Valves Adjusted to { Sat. 500 P.S.I.
Spt. 475 P.S.I.

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

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Steel - good

Auxiliary (over 3 in. bore) Steel - good

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 are subjects of class)

Repairs, Wear & Tear: - Main Boilers

The following tubes were renewed, Port Boiler:-

112 @ 1 1/4", 112 @ 2", 4 side wall & 4 rear wall.

Starboard Boiler-

112 @ 1 1/4", 112 @ 2", & 4 side wall. Both Boilers subsequently hydraulically tested to 500 P.S.I. and proved tight.

The Owners have renewed the gears on the 525 KW. inboard generator, gears marked as follows: -

Main Gear. 439, 10-9-49, K 3282 & K 5156-4 A.B. H.T.

Pinion 147, 7-7-49, K 3269, A.B. L.O. (Certificates attached).

Generator tested under working conditions, All in good order.

MBS
S.P.S.

Repairs

Late Att.

Survey fees \$110.00

\$ 50.00

\$ 40.00

Expenses... \$ 36.00

\$ 13.00

Date when A/c rendered.

28-8-58