

MADE IN

BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers *Inc. Waterwalls + Economisers 9856 sq. ft.*
Is Forced Draft fitted *Yes* No. and Description of Boilers *Two Foster Wheeler Type Steam generators* Working Pressure *450 lbs.*
Is a Report on Main Boilers now forwarded? *Yes* Superheaters *1320 sq. ft. 425 lbs.*
Is *a Donkey* Boiler fitted? *No* If so, is a report now forwarded? *Yes*
an Auxiliary

Is the donkey boiler intended to be used for domestic purposes only
Plans. Are approved plans forwarded herewith for Shafting *March 20/1937* Main Boilers. *✓* Auxiliary Boilers. *✓* Donkey Boilers. *✓*
(If not state date of approval)

Superheaters. *✓* General Pumping Arrangements *November 2, 1937* Oil Fuel Burning Arrangements *✓*

Has the spare gear required by the Rules been supplied *Yes* SPARE GEAR.

State the principal additional spare gear supplied :-

One complete spare tailshaft & nut.
Steam throttle valve pilot and power springs (ahead & astern) also
shuttle valve springs. End cover adjustment liners & H.P. turbine.
Thermometers:- Numerous special bolts, studs and nuts i.e. duplicates
of engine special fastenings etc. also taper & screw dowels also cotter pins,
special washers and auxiliary engine fittings
There is one set of plans covering four vessels namely 4306, 4307, 4308 & 4309. Upon completion
shall #4309 the plans will be forwarded with Belts, Mach. Fpts.
The foregoing is a correct description, *Bethlehem Shipbuilding Corporation Ltd*
Quincy, Mass. - See New York Rpt. 38164 attached

Dates of Survey while building { During progress of work in shops -- } *August 12, 1937. Refer New York Report No. 38164 attached herewith*
{ During erection on board vessel -- }
Total No. of visits *October 19, 1937 to August 3, 1938 Total 13 visits*

Dates of Examination of principal parts - Casings *February 17, 1938* Rotors *February 17, 1938* Blading *February 17, 1938* Gearing *August 3, 1938*

Wheel shaft *July 18, 1938* Thrust shaft *January 26, 1938* Intermediate shafts *January 26, 1938* Tube shaft *✓* Screw shaft *January 13, 1938*

Propeller *January 19, 1938* Stern tube *January 10, 1938* Engine and boiler seatings *October 19, 1937* Engine holding down bolts *February 4, 1938*

Completion of fitting sea connections *Jan. 21, 1938* Completion of pumping arrangements *Mar. 28, 1938* Boilers fired *Oct. 19, 1937* Engines tried under steam *Aug. 3, 1938*

Main boiler safety valves adjusted *August 3, 1938* Thickness of adjusting washers *None Crosby Patent HS 205 42,100 lbs. per hour*

Rotor shaft, Material and tensile strength *Nickel Molybdenum steel 95 (min)* Identification Mark *H.P. 298-582-H-1*

Flexible Pinion Shaft, Material and tensile strength *Nickel Molybdenum steel 90 (min)* Identification Mark *L.P. 298-596-B2*

Pinion shaft, *guide shaft* Material and tensile strength *Chrome nickel Molybdenum steel HS & LS 100,000* Identification Mark *903E2 76895*

1st Reduction Wheel Shaft, Material and tensile strength *O.H. steel 70,000 (min)* Identification Mark *5177 7-38*

Wheel shaft, Material *O.H. steel* Identification Mark *1228-37* Thrust shaft, Material *O.H. steel* Identification Mark *1228-37*

Intermediate shafts, Material *O.H. steel* Identification Marks *832E 5/22 819E 37/22* Tube shaft, Material *✓* Identification Marks *AB*

Screw shaft, Material *O.H. steel* Identification Marks *828E 37/22* Steam Pipes, Material *steel* Test pressure *1500 lbs. at Pipe Factory*

Date of test *February 15, 1938 - Test of 900 lbs at Yard* Is an installation fitted for burning oil fuel *Yes*

Is the flash point of the oil to be used over 150°F. *Yes* Have the requirements of the Rules for the use of oil as fuel been complied with *Yes*

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo *Oil Tanker* If so, have the requirements of the Rules been complied with *Yes*

If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with *Notation not desired*

Is this machinery a duplicate of a previous case *Yes* If so, state name of vessel *"Esso Baton Rouge"*

General Remarks (State quality of workmanship, opinions as to class, &c.) *This machinery has not been built*

under Special Survey (Refer New York Report No. 38164 attached herewith) but has been

installed on board the vessel in compliance with the Society's rules and

the workmanship and material are good. All the machinery during

construction is stated to have been specially surveyed by the Surveyors

to the American Bureau of Shipping & the material certified in

accordance with their rules

The machinery was seen under full working conditions & found satisfactory

& eligible to have the record of L.M.C. 8-38 made in the Register Book.

The amount of Entry Fee ... £ *1000.00* When applied for, *Aug 29 1938*

Special ... £ : : When received, *20/9/38*

Donkey Boiler Fee ... £ : : *NEW YORK AUG 31 1938*

Travelling Expenses (if any) £ : : *Assigned LMC 8-38*

Committee's Minute