

REPORT ON WATER TUBE BOILERS.

No. 9412

Received at London Office 3 APR 1950

Reporting Date: 9th Feb., 1950 When handed in at Local Office: 9th Feb., 1950. Port of: PHILADELPHIA, PA.
 Survey held at: Chester, Pa. Date, First Survey: 2nd Dec., 1949 Last Survey: 16 Jan., 1950
 on the: S.S. "SOVAC COMET" (Number of Visits: 7) {Gross 17597.94 Tons, Net -
 made at: Chester, Pa. By whom built: Sun SB & DD Co. When built: 1949-50
 made at: Trenton, N.J. By whom made: De Laval Steam Turbine When made: 1949
 made at: Barberton, Ohio By whom made: Babcock & Wilcox When made: 1949
 Horse Power: 3096 Owners: Tankers Navigation Co. Port belonging to: Panama

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel: Worth Steel Co.

Approval of plan: Dec. 28, 1948, Feb. 2, 1949

Number and Description or Type: 2 Marine (2) Drum Type Working Pressure: 685 psi Tested by Hydraulic Pressure to: 1028 psi Date of Test: 23 Dec. 1949

Total Heating Surface of Boilers: 930 sq. ft. ea. superheater
2040 " " " economizer
7390 " " " boiler

Area of fire grate (coal) in each Boiler: -
Type of burners (oil) in each boiler: Four (4) straight mechanical
No. and description of safety valves on

Area of each set of valves per boiler {per rule - as fitted - Pressure to which they

Are they fitted with easing gear: yes
In case of donkey boilers state whether steam from main boilers can enter

Smallest distance between boilers or uptakes and bunkers or woodwork: 4 ft. Height of boiler: 22'6"

Steam Drums:—Number in each boiler: one Inside diameter: 46 27/32" average

Range of Tensile Strength: 70,000 minimum Are drum shell plates welded

Description of riveting:—Cir. seams: no riveting long. seams: -

Pitch of rivets: - Thickness of straps: - Percentage strength of

Diameter of tube holes in drum: 1 1/4" - 3 1/4" Pitch of tube holes: 1.75"

Steam Drum Heads or Ends:—Range of tensile strength: 70,000 Min.

Water Drums:—Number

Range of tensile strength: 70,000 Min. Are drum shell plates

Description of riveting:—Cir. seams: - long. seam: -

Pitch of rivets: - Thickness of straps: -

Diameter of tube holes in drum: 1 1/4" - 2" - 3 1/4" Pitch of tube holes: 1.75"

Water Drum Heads or Ends:—Range of Tensile strength: 70,000 Min.

Water Drum Heads or Ends:—Range of Tensile strength: 70,000 Min.

Material: Carbon Steel Thickness: .875" Tested by Hydraulic Pressure to: 1370 psi

Material: Chrome Moly Thickness: 1422

Material: O.H. Seamless Thickness: 71

Material: Carbon Steel Thickness: 71

boiler a duplicate of a previous case: yes If so, state vessel's name and report No. S.S. "SOVAC BRILLIANT" - Phl. Rpt. 9401

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The above boilers have been satisfactorily

talled on board the vessel, tested by hydraulic pressure to 1078 lbs. and found in good order.

safety valves have been adjusted under steam to 685 lbs. on the boilers and 627 lbs. on the

superheaters. It is recommended that these boilers receive the record of 2 WTB 685 lbs. (SPT).

Survey Fee: \$ 110.00 : } When applied for, 2 Feb. 1950

Travelling Expenses (if any) £ 20.00 : } When received, 19

Leveland A/c \$290.00

Committee's Minute: NEW YORK MAR 15 1950
Signed: 2 WTB (SPT) 685 lbs.

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith: No.

Total No. of visits: 15

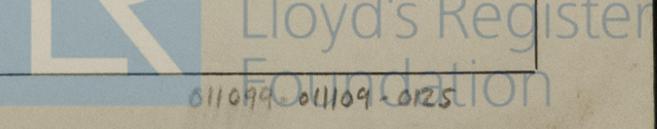
Is a safety valve fitted to each section of the superheater which

shut off from the boiler: - No. and description of Safety Valves: - Area of each set

Pressure to which they are adjusted: - Is easing gear fitted: -

Has the spare gear required by the rules been supplied: -

W.A.P. Rumball
Engineer Surveyor to Lloyd's Register of Shipping.



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