

REC'D NEW YORK 24 DEC 1957

Rpt. 9

Date of writing report

Received London

Port Boston, Mass.

No. 4793

Survey held at East Boston, Mass.

No. of visits 10

First date 25, July

Last date 25, Sept. 1957

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 33828 Name T.S. "Winamac"

Gross tons 11980 Date of build 1939-6

Owners Mobil Tankers Co. S.A.

Managers

Port of Registry Panama

Engines made 1946 By DeLaval S. Turb. Co., Trenton

Type 2 steam turbines DR geared to sc. shaft

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 2 WTB W.P. 450 lb. (Spt. 420 lb)

No. of Donkey Boilers and W.P.

Surveyed Afloat in Dry Dock Bethlehem Steel Co.

Nature of Survey ES and MBS

Was Damage Report issued? no Int. Cert.? yes

Last Report (For Head Office only)

HULL 8,56 (M) 12,55-2yrs.  
SS Msl. (M) 12,55-2yrs.  
carrying homogeneous cargo  
in bulk. For service in  
Persian Gulf and  
Mediterranean.

Machinery  
LMC 10,54  
BS 9,56  
CL 8,56  
Steam Pipes 12,55

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 3/16" Oil Glands - Sea Connections Good  
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.) XGBT 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 Good

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARING Good

23 THRUST BLOCKS, SHAFTS & BEARINGS Good

24 INTERMEDIATE SHAFTS & BEARINGS Good

25 HOLDING DOWN BOLTS & CHOCKS Good

26 CONDENSERS (MAIN & AUX.) Good

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS Good

29 STOP & MANOEUVRING VALVES Good

30 MAIN ENGINE DRIVEN PUMPS

Have Main Engines been tested working and manoeuvring? Yes

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

OPINION OF MACHINERY AND RECOMMENDATIONS

The Machinery of this Vessel is in good and safe working condition and in the opinion of the Undersigned eligible to remain as now Classed in the Register Book with fresh record of "Engine Special Survey 9,57" and "Main Boiler Survey 9,57".

NEW YORK DEC 4 1957

Date of Committee

Decision

ES 9.57. mo. 9.57

Engine Surveyor to Lloyd's Register of Shipping  
THOMAS BARRIE

011823-011825-0077 1/2

If certificate is required state where to be sent



with a standard ...  
3 Feed Pumps; 2 Lubricating Oil Pumps; Two Lubricating Oil Cooler Pumps  
2 Main Condensate Pumps; 1 Auxiliary Condensate Pump; General Service  
Fire Pump; 2 Bilge Pumps; Main & Auxiliary Circulating Pumps; 2 Oil Fuel Service Pumps; 2 Transfer  
and 1 Diesel Driven Emergency Fire Pump  
Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Good.  
Steering Engine Room fitted

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? Yes  
35 Fresh Water Coolers - 36 Lub. Oil Coolers Good 37 Heaters (state service) Feed - 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 Good 43 Have Evaporator Safety Valves been tested under steam? Yes  
44 Steering Machinery Good 45 Windlass Good 46 Fire Extinguishing Arrangements Good

#### AUXILIARY ENGINES (Identify by position)

ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
PROPULSION	PORT	STARBOARD	
a Generators	-	-	Generators & Governors Good, including one Emergency Generator now fitted new.
b Exciters	-	-	Motors Good
c Air Coolers	-	-	Switchboards & Fittings Good
d Motors	-	-	Circuit Breakers Good
e Air Coolers	-	-	Cables Good
f Control Gear, Cables, etc.	-	-	Insulation Resistance Good
g Insulation Resistance	-	-	Steering Gear Generators and Motors Good
h Insulating Oil Test	-	-	Navigation Light Indicators Good
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 Good - September 11, 1957 AUXILIARY, DONKEY or PRESS. -  
Superheaters Good  
Safety Valves Good  
Mountings, Doors & Fastenings Good  
Safety Valves Adjusted to Sat. 450 PSI  
Spt. 425 PSI  
Boiler Securing Arrangements Good  
Main Economisers Good 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 Good

#### EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Tested, 1-1/2 Time W.P., Steel 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)

The cargo tank length of this Vessel has now been renewed and a record of "SS 9,57" recommended. In order to have the "ES with date" coincide with the S.S., the Owners have carried out the E.S. at this time.

#### WEAR & TEAR REPAIRS:

##### BOILERS:

Main Water Tube Boilers, all tubes renewed, see certificate.  
Superheater tubes and desuperheater and economiser renewed.  
Boilers and main steam pipes tested.

Brickwork renewed.

Soot blower renewed.

##### MACHINERY:

Main condenser retubed and tested.

Auxiliary condenser cleaned and tested.

Two main condensate pumps renewed.

Two main air ejectors renewed.

Two forced draft blowers and motors renewed. (CONTINUED)

Survey fees \$615.00

Damage fee 10.00

Expenses...

Date when A/c rendered Dec. 2, 1957

Rpt. 9a.

Port of Boston, Mass.

REC'D NEW YORK NOV 21 1957

Continuation of Report No. 4793

dated October 30, 1957

T.S. on the "Winamac"

Evaporator L.P. Bethlehem type renewed.

Two oil fuel service pumps and motors renewed.

Emergency fire pump fitted in steering engine room.

#### ELECTRICAL:

Two main generators, armatures renewed.

All motors for auxiliary machinery overhauled.

Emergency diesel driven generator 100 KW installed in house on boat deck aft. Generator manufactured by General Motors Co. 10-13-42 to U.S. Navy Specifications, 417 Amp. 110/220 V-DC.

Engine, Superior Diesel, 8 cylinder, size 5-1/2" x 7", tested on board.

#### STEERING GEAR:

Two hydraulic pumps and telemotor (aft element) renewed.

Full power sea trial conducted and machinery operated in satisfactory manner.

*Thomas B. Smith*

866 JAN 28 1958  
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