

# Report on Steam Turbine Machinery.

No. 28896

17 DEC 1953

Received at London Office

4a.

of writing Report 2-12-1953 When handed in at Local Office 19 Port of ANTWERP  
 in Survey held at ANTWERP Date, First Survey 16-3-53 Last Survey 14-11-1953  
 Book (Number of Visits 5)  
 2889 on the S/S MARITIME TRADER Tons (Gross 1013.3 Net 762.3)  
 at Hoboken By whom built J. A. Schmitt Yard No. 753 When built 1953  
 ines made at Mulheim By whom made Edmund Schmitt Engine No. 1644/5 When made 1953  
 ers made at By whom made Boiler No. When made  
 ft Horse Power at Full Power Owners Maritime Transportation Co. Port belonging to Panama  
 n. Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted  
 ide for which Vessel is intended

## STEAM TURBINE ENGINES, &c.—Description of Engines Two sets of Turbo Generators

of Turbines Ahead Direct coupled, single reduction geared to propelling shafts. No. of primary pinions to each set of reduction gearing  
 Astern double reduction geared  
 ct coupled to Alternating Current Generator phase periods per second rated Kilowatts Volts at revolutions per minute;  
 supplying power for driving Propelling Motors, Type Direct Current Generator  
 d. Kilowatts Volts at revolutions per minute. Direct coupled, single or double reduction geared to propelling shafts.

RBINE	H. P.	I. P.	L. P.	ASTERN.
ADING.				
No. of rows				
No. of stages				
No. of rows in each stage				

ft Horse Power at each turbine H.P. I.P. L.P. Revolutions per minute, at full power, of each Turbine Shaft  
 1st reduction wheel  
 main shaft

or Shaft diameter at journals H.P. I.P. L.P. Pitch Circle Diameter 1st pinion 1st reduction wheel Width of Face 1st reduction wheel  
 2nd pinion main wheel



Is { a Donkey Boiler fitted? If so, is a report now forwarded? }  
{ an Auxiliary }  
Is the donkey boiler intended to be used for domestic purposes only?  
Plans. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers  
(If not, state date of approval)  
Superheaters General Pumping Arrangements Oil Fuel Burning Arrangements  
Geared turbines situated aft. Have torsional vibration characteristics of system been approved Date of approval

SPARE GEAR.

Has the spare gear required by the Rules been supplied?  
State the principal additional spare gear supplied

The foregoing is a correct description.

Dates of Survey while building During progress of work in shops - - 1913  
During erection on board vessel - - -  
Total No. of visits March 16, April 26, Sept 17, Oct 29, Nov 14

Dates of Examination of principal parts—Casings Rotors Blading Gearing  
Wheel shaft Thrust shaft Intermediate shafts Tube shaft Screw shaft  
Propeller Stern tube Engine and boiler seatings Engine holding down bolts  
Completion of fitting sea connections Completion of pumping arrangements Boilers fixed Engines tried under steam  
Main boiler safety valves adjusted Thickness of adjusting washers  
Rotor shaft, Material and tensile strength Identification Mark  
Flexible Pinion Shaft, Material and tensile strength Identification Mark  
Pinion shaft, Material and tensile strength Identification Mark

; Chemical analysis.  
If Pinion Shafts are made of special steel state date of approval of chemical analyses, physical properties and heat treatment.  
1st Reduction Wheel Shaft, Material and tensile strength Identification Mark  
Wheel shaft, Material Identification Mark Thrust shaft, Material Identification Mark  
Intermediate shafts, Material Identification Marks Tube shaft, Material Identification Marks  
Screw shaft, Material Identification Marks Steam Pipes, Material Test pressure  
Date of test Is an installation fitted for burning oil fuel  
Is the flash point of the oil to be used over 150°F Have the requirements of the Rules for the use of oil as fuel been complied with  
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo If so, have the requirements of the Rules been complied with  
If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with  
Is this machinery a duplicate of a previous case If so, state name of vessel

General Remarks. (State quality of workmanship, opinions as to class, &c.) These two turbo-generator sets have been installed in the above vessel under the Special Survey of the Committee in accordance with the Rules. The machinery was examined under full load running conditions and found satisfactory.

Certificate (if required) to be sent to  
The amount of Entry Fee ... £ : : When applied for.  
Special ... £ : : 19  
Donkey Boiler Fee ... £ : : When received.  
Travelling Expenses (if any) £ : : 19  
Committee's Minute  
Assigned See Rpt. 4a  
FRIDAY 15 JAN 1954  
Engineer Surveyor to Lloyd's Register of Shipping.



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