

No. 241

9 FEB 1954

partment to another. yes ✓ Is the Shaft Tunnel watertight. yes ✓ Is it fitted with a watertight door. yes ✓ worked from upper deck ✓
 tter for record.) Total Heating Surface of Boilers. 7769.8 ft² (722.1 square meter) + 71.4 sq. ft.
yes ✓ No. and Description of Boilers. 3 sets dry combustion marine
cylindrical boiler Working Pressure 228.57 lbs./in² (16 kg./cm²)
 ilers now forwarded? yes ✓

If so, is a report now forwarded?

Is the donkey boiler intended to be used for domestic purposes only..... 14-8-50

Plans. Are approved plans forwarded herewith for Shafting..... 14-8-50 Main Boilers..... 14-8-50 Auxiliary Boilers..... Donkey Boilers.....
(If not, state date of approval).....

Geared turbines situated aft.) Have torsional vibration characteristics of system been approved..... Date of approval.....

Has the spare gear required by the Rules been supplied.

Has the spare gear required by the Rules been supplied. Yes.

State the principal additional spare gear supplied. 2 sets of drain valve for superheater, 1 set of valve and valve seat for bottom blow-off valve, 45 pieces of cooling pipe for blow-off valve, 1 set of valve and valve seat for feed water heater, 1 set of impeller shaft for circulating pump, 1 set of heating pipe for feed water heater, 1 set of piston and value rod for fan engine, 1 set of piston and value rod for pump rod, 1 set of piston and value rod for pump used, 1 set of piston ring for each aux. machine used.

The foregoing is a correct description,

Kawaminami Industry Kagagishima Ship yard

Dates	{ During progress of)
of Survey	work in shops - - }
while	{ During erection on)
building	board vessel - - }
	Total No. of visits.....

Total No. of visits..... Rotors..... Blading..... Gearing.....
 Dates of Examination of principal parts—Casings..... Tube shaft..... Screw shaft.....
 Wheel shaft..... Thrust shaft..... Intermediate shafts.....
 Propeller..... Stern tube..... Engine and boiler seatings..... Engine holding down bolts.....
 Boilers fixed..... Engines tried under load of.....

Completion of fitting sea connections.....
Main boiler safety valves adjusted..... Thickness of adjusting washers.....
Identification Mark..... R-e bet

Flexible Pinion Shaft, Material and tensile strength

Part	Material	Tensile strength	Identification Mark
1st	Ni Cr Steel (SNC 70)	70 kg/mm ² & up	GP-1
2nd	Cast iron (SP 60)	60 " "	GP-2

Pinion shaft, Material and tensile strength. 2nd. Canton " (S P 60)

	C	Si	Mn	P	S	N	C
1st.	0.25~0.4	<0.35	0.35~0.65	<0.035	<0.035	1~2	0.3~0.4
2nd.	0.35~0.45	<0.80	<0.30	<0.040	<0.050	—	—

Chemical analysis; Heat treatment

If Pinion Shafts are made of special steel state date of approval of chemical analysis, physical properties and heat treatment. Heat treat. 176

1st Reduction Wheel Shaft, Material and tensile strength..... *C.Y. Mn. Steel* 80,000 psi

Wheel shaft, Material Forged steel Identification Mark B9-1 Thrust shaft, Material Forged steel Identification Mark B9-1

Tube shaft, Material Forged steel Identification Mark CMS-1, 2, 3, 4 Tube shaft, Material Forged steel Identification Mark Forged steel

Intermediate shafts, Material Forged steel Identification Marks CMS-1, 2, 3, 4 Tube shaft, Material Solid drawn steel pipe Test pressure 1000 PSI
 Identification Marks CPS-5 Steam Pipes, Material (ST 38 B)

Screw shaft, Material Forged Steel Identification Marks CPS 2 Steam type, _____
Is an installation fitted for burning oil fuel. _____

Date of test _____ Have the requirements of the Rules for the use of oil as fuel been complied with? ☐ Yes ☐ No

Is the flash point of the oil to be used over 150°F..... Have the requirements of the Rules been complied with.....

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo..... art

..... If anything is desired, state whether the requirements in this respect have been complied with..... min

If the notation for ice strengthening is desired, state whether the requirements in _____
 _____ duplicate of a previous case. If so, state name of vessel _____

Is this machinery a duplicate of a previous case.....

General Remarks. (State quality of workmanship, opinions as to class, &c.).....

See Rpt 9 attached

The amount of Entry Fee	...	£	160-0-0	:	When applied for.
<i>Screw shaft</i>			10-0-0	:	19.
Special	...	£	—	:	
Donkey Boiler Fee	...	£	—	:	When received.
Travelling Expenses (if any)		£		:	19.

(The Committee's Minute.....
Assigned..... LMC 9.50 Subject.....

3WTB 227 Pl. (Spt.) CL 8.50

S. Paulsen & Co. Ltd.
Engineer Surveyor to Lloyd's Register

Lloyd's Register
Foundation