

Is a Donkey an Auxiliary Boiler fitted? If so, is a report now forwarded?
 Is the donkey boiler intended to be used for domestic purposes only?
 Plans. Are approved plans forwarded herewith for Shafting λ -12-52 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? Yes
 State the principal additional spare gear supplied:
 1 - Complete Steam strainer 2 - Set of spring of each size.
 2 - Complete set of turbine and reduction gear bearings. 1 - Set of gear wheel and bearing for lubricating oil pump.
 1 - Set of thrust pad. 1/2 - Set of coupling bolts and nuts.
 1 - Set of oil strainer. 1/20 - of total No. of bolts and nuts for the flange of turbine and gear case.
 1 - Spiral gear for speed governor. 1/40 - Tube of oil cooler.
 1 - Spiral gear for tachometer. 1/30 - Tube of condenser.
 2 - Sets of gland packing. 1/30 - Set of packing for condenser tube.

The foregoing is a correct description.

S. Murakami
 Director & General Manager

Dates of Survey while building: During progress of work in shops - 1952. July 24, Aug. 2, 21 Sept., 11, 13, 18, 27, 30 Oct., 9, 11, 25 Nov. 11, 18, 25 Dec., 17, 18, 19, 22, 26 1953 Jan. 6, 17, 19, 22, 30 Feb. 10, 19, 26 March 10, 14, 17, 24, 26
 During erection on board vessel - April 14, 15, 16
 1953. JUNE 4, JULY 10, 15, 30, AUG. 10
 Total No. of visits 40

Dates of Examination of principal parts—Casings 25-10-52 Rotors 19-12-52 17-1-53 (Rim) 10-3-53
 18-11-52 22-12-52 Blading 17-1-53 ~~XXXXX~~ 25-11-52
 Wheel shaft 18-11-52 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 Special Steel 157.5 T/in² 157.3 T/in² Identification Mark LR No. KWF1722 LR No. G5390 1721
 Flexible Pinion Shaft, Material and tensile strength Identification Mark LR No. MKF497-5 LR No. NI
 Pinion shaft, Material and tensile strength Special Steel 47.3 T/in² 50.1 T/in² Identification Mark GY6F NI -6 GY7
 ; Chemical analysis 0.33% 0.35% 0.50% 0.016% 0.007% 3.45%

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 Forging steel 35.4 T/in² 35.5 T/in² LR No. MKF497-4 LR No. MKF
 rim ~~xxx~~ Material Forging Steel Identification Mark GY3F Thrust shaft, Material Identification Mark
 LR No. MKF439-9 HY11F
 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 turbines have been constructed under the supervision of the Society's Surveyors in accordance with the Rules, Approved Plans, and the Society's letters.
 The materials were found sound and free from defects and the workmanship is good.
 The turbines were examined under steam in full working condition with satisfactory results.
 The machinery has now been satisfactory installed on board and tested under full power.

Certificate (if required) to be sent to Committee's Minute

The amount of Entry Fee ... £ 72,000 : When applied for.
 Special ... £ : : 19
 Donkey Boiler Fee ... £ : : When received.
 Travelling Expenses (if any) £ : : 19

Thomas K. Sakai
 Engineer Surveyor to Lloyd's Register of Shipping.

FRIDAY - 4 DEC 1953
 Assigned *See minute on hull fe. rbl.*

