

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

2 AUG 1947

Date of writing Report 23-7-1947 When handed in at Local Office 10 Port of Rotterdam
 Date, First Survey 17-7-47 Last Survey 23-6-1947
 Survey held at Flushing (Number of Visits 15)
 Vessel 5/2 "KOMSOLOVSK"
 Tons { Gross _____ Net _____
 Built at Howerton Hillon By whom built Furness S.B. Co Ltd Yard No. 258 When built 1936
 Engines made at Newcastle By whom made N.E. Marine Eng Co Ltd Engine No. _____ When made 1936
 Boilers made at _____ By whom made _____ Boiler No. _____ When made 1936
 Registered Horse Power 346 Owners U.S.S.R Port belonging to Vladivostok
 Indicated Horse Power as per Rule 382 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 Intended for which Vessel is intended MN-373

ENGINES, &c.—Description of Engines Triple expansion Revs. per minute 90
 No. of Cylinders 3 Length of Stroke 42" No. of Cranks 3
 Crank shaft, dia. of journals 12" Crank pin dia. 12" Crank webs shrunk Thickness parallel to axis 2 1/2"
 Intermediate Shafts, diameter as per Rule _____ as fitted 1 3/8" Thrust shaft, diameter at collars as per Rule _____ as fitted 12"
 Main Shafts, diameter as per Rule _____ as fitted _____ Screw Shaft, diameter as per Rule _____ as fitted 1 1/2"
 Is the { tube } shaft fitted with a continuous liner { yes }

Conceal Liners, thickness in way of bushes as per Rule _____ as fitted 2 3/2" Thickness between bushes as per Rule _____ as fitted 2 3/2" Is the after end of the liner made watertight in the propeller boss yes
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner _____
 Does the liner do not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive _____
 Are two liners fitted, is the shaft lapped or protected between the liners _____ Is an approved Oil Gland or other appliance fitted at the after end of the tube _____
 If so, state type _____ Length of Bearing in Stern Bush next to and supporting propeller 53"

Propeller, dia. 15'-9" Pitch 16'6" x 15'9" No. of Blades 4 Material C. Mille steel whether Moveable movable Total Developed Surface 79 sq. feet
 Main Engines, No. 2 Diameter 80" Stroke 55 1/2" Can one be overhauled while the other is at work yes
 Auxiliary Engines, No. 2 Diameter 80" Stroke 55 1/2" Can one be overhauled while the other is at work yes
 Pumps connected to the Main Bilge Line { No. and size one 4" x 8 1/2" x 8" How driven steam & 2 M.E. pumps.
 Lubricating Oil Pumps, including Spare Pump, No. and size _____
 Are two independent means arranged for circulating water through the Oil Cooler _____
 Suctions, connected to both Main Bilge Pumps and Auxiliary _____
 In Engine and Boiler Room 2 @ 3 1/2" In Holds, 2 @ 3"

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 4" 5" on flange Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size _____
 Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes yes
 Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges _____
 Are all Sea Connections fitted direct on the skin of the ship no Are they fitted with Valves or Cocks both
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes Are the Overboard Discharges above or below the deep water line above
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel yes Are the Blow Off Cocks fitted with a spigot and brass covering plate yes
 How are they protected _____
 Have they been tested as per Rule _____
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes
 Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one compartment to another yes Is the Shaft Tunnel watertight yes Is it fitted with a watertight door yes worked from platform

MAIN BOILERS, &c.—(Letter for record _____) Total Heating Surface of Boilers 5160 sq. ft. Working Pressure 220 lb.
 Forced Draft fitted yes No. and Description of Boilers 2 Multitubular
 A REPORT ON MAIN BOILERS NOW FORWARDED? yes
 A DONKEY BOILER FITTED? no If so, is a report now forwarded? _____
 Is the donkey boiler intended to be used for domestic purposes only _____
 Are approved plans forwarded herewith for Shafting 8-46 Main Boilers 8-46 Auxiliary Boilers _____ Donkey Boilers _____
 General Pumping Arrangements 8-46 Oil fuel Burning Piping Arrangements _____

SPARE GEAR.
 Is the spare gear required by the Rules been supplied yes
 Is the principal additional spare gear supplied spare screw shaft

The foregoing is a correct description.

Manufacturer.



Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - - -

Total No. of visits

Dates of Examination of principal parts—Cylinders ✓ Slides ✓ Covers ✓

Pistons ✓ Piston Rods ✓ Connecting rods ✓

Crank shaft ✓ Thrust shaft ✓ Intermediate shafts ✓

Tube shaft ✓ Screw shaft ✓ Propeller ✓

Stern tube ✓ Engine and boiler seatings ✓ Engines holding down bolts ✓

Completion of fitting sea connections ✓

Completion of pumping arrangements ✓ Boilers fixed ✓ Engines tried under steam ✓

Main boiler safety valves adjusted 23-6-47 Thickness of adjusting washers Port boiler 9 1/2 mm SA.6. 20 1/2 mm

Crank shaft material ✓ Identification Mark ✓ Thrust shaft material ✓ Identification Mark ✓

Intermediate shafts, material ✓ Identification Marks ✓ Tube shaft, material ✓ Identification Mark ✓

Screw shaft, material ✓ Identification Mark ✓ Steam Pipes, material steel Test pressure 440 lb. Date of Test 20-6-47

Is an installation fitted for burning oil fuel no 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 Yes ✓

Is this machinery duplicate of a previous case ✓ If so, state name of vessel ✓

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

This machinery has been opened up, examined and verified with the approved plans, Secretary's letters and when tried under working condition found all in order. In my opinion eligible to be classed with this Society; with a Record of LMC 6-47 notation T.S seen 7-46.

The Surveyors are requested not to write on or below the space for Committee's Minute.

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

on repair no g.

J.H. Bounce
Engineer-Surveyor to Lloyd's Register of Shipping.

Committee's Minute | 26 SEP 1947

Assigned LMC 6,47
S (C.L.) 7.46
FD. 2 SB 22016 Spt.

