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20 JAN 1950

Chief Engineer Surveyor

Received from Chief Engineer Surveyor

NAME RINGFJELL.

REPORT

Kel. 101.  
Kel. No. 101 (Elec)

of the Chief Engineer Surveyor are desired on this case for the consideration of the Classing Committee.

Endorsement to contain a succinct summary of any repairs that have been required and to show the cause or causes of such repairs, and to bring out clearly any exceptional features in connection with the case, so that the Classing Committee may have all the salient points presented in the endorsement."—Extract from Sub-Committee's Report, 24/5/52.)

REPAIRS TO ENGINES AND BOILERS DUE TO DAMAGE THROUGH

The vessel built to class in 1935, having been mined and sunk by enemy action, subsequently floated and repaired is submitted for reclassification, and all the requirements of a Special Survey have been complied with.

The vessel drydocked, sea cocks and both screw shafts examined.

The port screw shaft liner skimmed in lathe and the Starboard screw shaft renewed. Both stern bushes rewooded.

Both main engines and auxiliary units removed from ship for overhaul.

7 main engine cylinder liners, 3 cylinder heads, 1 fuel pump, cam shafts parts renewed. Crank, thrust and intermediate shafting ground and machined and all bearing remetalled. Pump parts, large percentage of oil and water piping, and condenser water ends renewed.

A large number of boiler tubes and 6 rivets in port boiler furnace combustion chamber end, renewed.

The boiler water gauge connections have been changed from valves to cocks.

Alterations:

New oil fuel burning installation now fitted. Electrical installation almost entirely renewed throughout. Two new 6 cylinder diesel generators installed driving two 100 KW reconditioned generators.

The Surveyor recommends the fitting of lead sheathed cables as required by the Rules.

IT IS SUBMITTED that reclassification be deferred until receipt from the Surveyors of torsional vibration characteristics of the new auxiliary engines as per Secretary's letter 26.5.49, first entry reports on the new diesel generator sets installed, engines and dynamos, and pending the fitting of lead sheathed electric cables as recommended.



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14.12.49.

012439-012445-0323