

SUNDERLAND RPT. No. 34730

# THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

## Machinery Particulars

Required for Records, Register Book, Classification Certificate, &c.

of the single, triple,  
twin, quadruple M/S/M 399

Shipbuilders The Shipbuilding Corporation, Ltd., (Wear Branch), Sunderland. Yard No. 11

Enginebuilders..... Works No.....

Boilermakers (Main)..... Works No.....

Aux.  
(Donkey) John Thompson (Marine Boilers) Ltd. Works No. 5209

Description of  
propelling Machinery

Boilers: Main No. 022 SE Cylindrical Multitubular : No..... Water Tube. Type..... W.P.....  
DE

diameter..... length..... Heating Surface each..... Grate Surface each.....

Fuel : Coal, Oil, Coal and Oil. Draught : Natural, Closed Ashpit, Closed Stokehold, Induced. Are Superheaters fitted?

Steam valves type..... Diar..... Rule diar.....

Boilers: Aux. No. One Type Cylindrical multitubular 3 Daington furnaces W.P. 220 lbs.  
Donkey

diameter 12'9" length 11'6" Heating Surface each 1786 ft.<sup>2</sup> Grate Surface each 45 ft.<sup>2</sup>  
height

Steam valves type One dble. Diar. 2" Rule diar. — Fuel coal Draught Howdens forced

in Steam Pipes: Material..... welded, brazed, seamless

Steam Engines: No. of sets..... Cylinder diars..... Stroke.....

each..... at..... RPM. Total capacity LP cylinder (each engine).....

Turbines: No. of sets..... HP IP LP Turbines on each shaft :..... Ahead..... Astern.....

each..... at..... RPM. Astern SHP..... Type..... Impulse reaction.....

Gearing: Single reduction..... Speed reduction ratio.....  
Double

Engines: No. of sets..... of..... Cylr. 4 cycle single acting clutch reversing. Type.....  
2 double direct

diars..... Stroke..... Bearing span..... Total capacity cylrs. (each engine).....

each..... at..... RPM. Mean Indicated pressure..... Max. firing pressure.....

Wheel : Weight..... tons, Diameter..... ft. Balance Weights : Total weight at radius of gyration..... tons at..... ft.

Working air reservoirs : No..... riveted, seamless, welded, Internal diar..... W.P..... capacity each..... cub. ft.

Electric Propulsion: No..... AC generators..... volts..... amps..... kW each at..... RPM  
DC

No..... AC motors..... volts..... amps..... BHP each at..... RPM  
DC

Turning: diars. crank motor..... thrust..... intermediate..... propeller.....

diameters..... "..... "..... ".....

Propeller: diar..... pitch..... surface..... RPM..... Propeller shaft liner continuous oil lubricated  
non-continuous

of Trial Trip..... IHP SHP..... RPM..... Knots.....

Drawn by: MBS  
leaf in Register

Surveyor's Signature

NOTE.—This form, completed in respect of preliminary particulars, should be forwarded to the Head Office as soon as possible after the order has been placed.

010705-010711-0085



Particulars of Auxilliary Machinery Ordered by Enginebuilders.

MAKERS		No., DESCRIPTION, SIZE, &c.
Superheater -	-	
O F Burning Plant -	-	
Evaporator -	-	
Feed Heater -	-	
„ Filter -	-	
Air Compressors -	-	
„ Reservoirs -	-	
Dynamo -	-	No. volts amps. Total
„ Engine -	-	
Electric Auxiliaries -	-	

Particulars of Materials—Plates, Pipes, Forgings, and Castings.

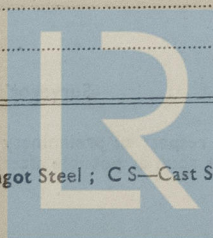
Boilers and Air Reservoirs	MAIN		AUX. OR DONKEY
Makers of Plates (Shell) -	-	Colvilles Ltd.	
„ „ (Flanging) -	-	do.	
„ „ (Furnace) -	-	do.	
„ Stay Bars -	-	do.	
„ Rivets -	-	Rivet Bolt & Nut Co. Ltd.	
„ Tubes -	-	Stewarts & Lloyds Ltd.	
„ Furnaces -	-	John Thompson (Wolverhampton) Ltd.	

Engine Forgings and Castings, &c.	No.	MATERIAL *	MADE BY	FINISHED BY
Crank Shaft Body Pieces -	-			
„ „ Pins -	-			
„ „ Webs -	-			
Piston Rods -	-			
Connecting Rods -	-			
Crossheads -	-			
Turbine Spindles -	-			
„ Discs or Drums -	-			
„ Pinions -	-			
Reduction Gear Shafts -	-			
Main Gear Shafts -	-			
„ Motor Shafts -	-			
„ Generator Shafts -	-			
Thrust Shafts -	-			
Intermediate Shafts -	-			
Propeller Shafts -	-			
Steel Castings -	-			
Aux. Eng. Crank Shafts -	-			
Propeller -	-			
Pipes, Main Steam, Air, &c. -	-			

ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS

\* I—Scrap Iron ; S—Scrap Steel ; IS—Ingot Steel ; CS—Cast Steel ; B I—Bar Iron.



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