

W1061-0079

N1413

6303

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

Machinery Particulars

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

of the ~~single, triple, twin, quadruple~~ ^{SCREW MOTORSHIP} "CORADY" (ex LCIL 288).

PRELIMINARY PARTICULARS

Shipbuilders: New Jersey Shipbuilding Corporation New Jersey USA. Yard No. _____
Enginebuilders: General Motors Corporation Detroit, Mich. USA. Works No. _____

Boilermakers (Main) _____ Works No. _____
" (Donkey) _____ Works No. _____

Description of Propelling Machinery: General Motors Quadruple Sets - Four 6-cylinder 2-stroke cycle, single acting, airless injection, non-reversing diesel engines, connected to each shaft through plate clutches single reduction gearing - Twin screws.

BOILERS

Boilers: Main No. SE Cylindrical Multitubular. W.P.: No. _____ Water Tube. Type _____ W.P. { Drum _____ S'heater _____
Int. diameter _____ length _____ Heating Surface each _____ Grate Surface each _____

Fuel: Coal, Oil, Coal and Oil. Draught: Natural, Closed Ashpit, Closed Stokehold, Induced. Are Superheaters fitted? _____
Safety valves No. _____ Diar. _____ Rule diar. _____ Superheater Heating Surface _____

Boilers: Aux. No. _____ Type _____ W.P. _____
Donkey _____

Int. diameter _____ length _____ height _____ Heating Surface each _____ Grate Surface each _____

Safety valves No. _____ Diar. _____ Rule diar. _____ Fuel _____ Superheater Heating Surface _____

Main Steam Pipes: Material _____ welded, brazed, seamless

Steam Engines: No. of sets _____ Cylinder diars. _____ Stroke 35.3
IHP each _____ at _____ RPM. Total capacity LP cylinder (each engine) 176

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

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

Gearing: Single Double reduction Spur type Speed reduction ratio 3.23:1
4 engs each

Oil Engines: No. of sets Two of 6 Cyl. 4 cycle single acting non reversing. Type General Motors Model 671 RCF 3.
clutch direct

Cyl. diars. 4 1/4" Stroke 5" Bearing span _____ (Max BHP - 225 per engine)

BHP each 900 at 2100 rev. RPM. Mean Indicated pressure _____ Max. firing pressure _____

Flywheel: Weight _____ tons. Diameter _____ ft. Balance Weights: Total weight at radius of gyration _____ tons at _____ ft.

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

PROPELLING MACHINERY

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

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

3 $\frac{435 \times 64}{650} = 3.79$ 3 $\frac{555 \times 64}{650} = 3.79$ (var. factor prop?) 3.79 4.25

Shafting: diars. crank 2 3/4" pin 3 1/2" journal thrust 3 1/2" intermediate 4 1/4" propeller* 4 1/4"

Rule diameters _____ " _____ " _____ " _____ " _____ "

Propeller: diar. 46" pitch Variable surface _____ Max. RPM 650 Tailshaft line continuous non-continuous oil lubricated

Date of Trial Trip April 7, 1948 IHP _____ SHP _____ BHP _____ RPM _____ Knots _____

* Scantlings to suit 435 BHP each engine at 510 rpm. 26

1. 3 engines/shaft at 145 BHP each

or 2 engs/shaft

at full power 4 m.p.

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.

* The size required here is the shaft diameter at top of cone in way of propeller.

Surveyor's Signature Abraham

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Particulars of Auxiliary Machinery Ordered by Enginebuilders.

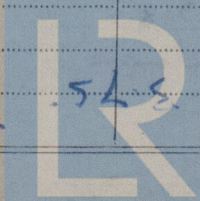
MAKERS			No., DESCRIPTION, SIZE, &c.			
Superheater	-	-				
Evaporator	-	-				
Feed Heater	-	-				
„ Filter	-	-				
Air Compressors	-	-				
„ Reservoirs	-	-				
Dynamo	-	-	General Motors	Model I 3609.	No. 2	volts 120 amps 167 Total kW 40.
„ Engine	-	-	General Motors	Model 2003.	Two - 2 cylinders 2 1/2 x 5 1/2	4 1/4" x 5"
Dynamo	-	-			No.	volts. amps. Total kW.
„ Engine	-	-				
Electric Auxiliaries	-	-				

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

Boilers and Air Reservoirs		MAIN		AUX. OR DONKEY	
Makers of Plates (Shell)	-				
„ „ (Flanging)	-				
„ „ (Furnace)	-				
„ Stay Bars	-				
„ Rivets	-				
„ Tubes	-				
„ Furnaces	-				
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.	-				

* I—Scrap Iron ; S—Scrap Steel ; I S—Ingot Steel ; C S—Cast Steel ; B I—Bar Iron.

ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS



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