

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

23 MAR 1944
5241

Machinery Particulars

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

of the single, triple,
twin, quadruple

SCREW MOTOR TANKER — "CHANT 55"

PARTICULARS

Shipbuilders... THE FURNESS SHIPBUILDING CO., HAVERTON HILL ON TEES Yard No. 368
Enginebuilders... BRITISH AUXILIARIES LTD GOVAN GLASGOW Works No. 438

PRELIMINARY

Boilermakers (Main) Works No. _____
" (Donkey) Works No. _____
Description of Propelling Machinery { ONE SET POLAR ATLAS TWO STROKE CYCLE SINGLE
ACTING TRUNK PISTON DIESEL ENGINE — TYPE M.4.6E
— SOLID INJECTION — DIRECT REVERSING

BOILERS

Boilers: Main No. _____ SE Cylindrical Multitubular : No. _____ Water Tube. Type _____ W.P. _____
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 type _____ Diar. _____ Rule diar. _____
Boilers: Aux. No. _____ Type _____ W.P. _____
Int. diameter _____ length height _____ Heating Surface each _____ Grate Surface each _____
Safety valves type _____ Diar. _____ Rule diar. _____ Fuel _____ Draught _____

Main Steam Pipes: Material _____ welded, brazed, seamless

PROPELLING MACHINERY

Steam Engines: No. of sets _____ Cylinder diars. _____ Stroke _____
IHP each _____ at _____ RPM. Total capacity LP cylinder (each engine) _____
Turbines: No. of sets _____ HP IP LP Turbines on each shaft : _____ Ahead _____ Astern
SHP each _____ at _____ RPM. Astern SHP _____ Type _____ Impulse reaction _____
Gearing: Single reduction _____ Speed reduction ratio _____
Oil Engines: No. of sets 1 of 6 Cylr. 4 cycle single acting clutch reversing. Type POLAR ATLAS M.4.6E.
Cyl. diars. 7.08" Stroke 11.8" Bearing span 8.58" Total capacity cylrs. (each engine) 1.62 cu ft.
BHP each 240 at 450 RPM. Mean Indicated pressure 99.5 lbs/sq in Max. firing pressure 853 lbs/sq in
Flywheel : Weight 276 tons, Diameter 2.46 ft. Balance Weights : Total weight at radius of gyration 9.12 = 9136 lbm² tons at _____ ft.
Starting air reservoirs : No. 2 riveted, seamless, welded. Internal diar. 16.5" W.P. 360 lbs/sq in capacity each 5.25 cub. ft.
Electric Propulsion: No. _____ AC generators _____ volts _____ amps _____ kW each at _____ RPM
No. _____ AC motors _____ volts _____ amps _____ BHP each at _____ RPM

Shafting: diars. crank motor 4.92" thrust 4.73" intermediate 4.25" propeller 4.2" (AT TOP OF TAPER)
Rule diameters 4.58" 3.41" 3.25" 3.79"
Propeller: diar. 4'-6" pitch 28 1/2" / 23 1/2" surface 2.75 ft² RPM 450 Propeller shaft liner continuous non-continuous oil lubricated

Date of Trial Trip 15.3.44 (HANDLED OVER) SHP _____ RPM _____ Knots _____

Class : MBS
See flyleaf 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.

015433-015441-0087

Particulars of Auxiliary Machinery Ordered by Shipbuilders.

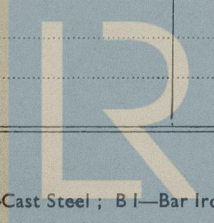
MAKERS		No., DESCRIPTION, SIZE, &c.
DIESEL ENGINE	DAVEY PAXMAN & CO. LTD.	ONE - 4 CYL. PAXMAN RICARDO - TYPE 4LP <u>DRIVING</u>
Superheater		
CARGO PUMP	STOTHERT & PITT	ONE - SCREEN DISPLACEMENT - SIZE 170
Oil Burning Plant		
BALLAST & BILGE PUMP	HAMNORTHY ENG. CO.	ONE - CENT. SINGLE STAGE - 2 1/2" CAP 40 TONS/H.R.
Evaporator		
Feed Heater	RUSTON MARINE AUXILIARY SET - COMPRISING:-	
DIESEL ENGINE	RUSTON & HORNSBY LTD.	ONE - 2 CYL. TYPE 2VTOZ - B.H.P. 10 - RPM. 1000 <u>DRIVING</u>
Filter		
Air Compressors	HAMNORTHY ENG. CO.	ONE - TWO STAGE - 4 1/2" x 3 1/2" STROKE
Reservoirs	CHESTERFIELD TUBE CO. LTD.	TWO - CYLINDRICAL SEAMLESS - 16' 6" x 52' 9" 1/2" x 52' 9" 1/2"
Dynamo	SUNDERLAND FORGE ENG. CO. LTD.	No. ONE volts. 110 amps. 54.5 Total kW. 6
GENERAL SERVICE PUMP	HAMNORTHY ENG. CO.	ONE - CENT. SINGLE STAGE - 2 1/2" CAP 40 TONS/H.R.
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	1	I.S.	MITCHELL SHACKLETON & CO	BRITISH AUXILIARIES LTD
" " Pins -				
" " Webs -				
Piston Rods <u>SCAVENGE</u>	1	I.S.	BRITISH AUXILIARIES LTD	BRITISH AUXILIARIES LTD
Connecting Rods <u>MAIN & SCAVENGE</u>	6	I.S.	BRITISH AUXILIARIES LTD	BRITISH AUXILIARIES LTD
Crossheads -				
Turbine Spindles -				
" Discs or Drums -				
" Pinions -				
Reduction Gear Shafts -				
Main Gear Shafts -				
" Motor Shafts -				
" Generator Shafts -				
Thrust Shafts -	1	I.S.	MITCHELL SHACKLETON & CO	BRITISH AUXILIARIES LTD
Intermediate Shafts -	1	"	BRUNTONS (SUDBURY) LTD.	BRUNTONS (SUDBURY) LTD.
Propeller Shafts -	1	"	Δ.	Δ.
Steel Castings				
Aux. Eng. Crank Shafts <u>4LP</u>	1	I.S.	ENGLISH STEEL CORPORATION	ENGLISH STEEL CORPORATION
Propeller <u>(LEFT HAND)</u>	1	BRONZE	BRUNTONS (SUDBURY) LTD.	BRUNTONS (SUDBURY) LTD.
Pipes, Main Steam, Air, &c.	S.D.	STEEL	STENARTS & LLOYDS	FURNESS SHIPBUILDING CO.

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



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ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS