

# THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

## Machinery Particulars

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

WOOD S/M Vessel "FORT HEARNE"

the single, triple,  
~~quad~~ quadruple

builders John Etherington Ltd., Shelburne, N. S.

Yard No. 10

rebuilders Canadian Fairbanks Morse

Works No. 922822

Beloit, Wisconsin, U.S.A.

makers (Main)

Works No.

(Donkey)

Works No.

Single acting, 2 cycle full diesel, solid injection  
engines. Single screw.

Description of  
Machinery

ers: Main No.

SE  
DE

Cylindrical Multitubular : No. Water Tube. Type

W.P.

diameter.

Int. length

Heating Surface each

Grate Surface each

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

valves No.

Diar.

Rule diar.

ers: Aux.  
Donkey No.

Type

W.P.

diameter.

length  
height

Heating Surface each

Grate Surface each

valves No.

Diar.

Rule diar.

Fuel

in Steam Pipes: Material

welded, brazed, seamless

am Engines: No. of sets

Cylinder diars.

Stroke

each

at

RPM.

Total capacity LP cylinder (each engine)

bines: No. of sets

HP IP LP Turbines on each shaft :

Ahead

Astern

each

at

RPM.

Astern SHP

Type

Impulse reaction

ring: ~~Single~~ Double reduction

Speed reduction ratio 2 - 1

Engines: No. of sets 1 of 8 Cylr. 2 cycle ~~single~~ ~~double~~ acting ~~direct~~ reversing. Type Fairbanks-Morse

diars. 8 1/2"

Stroke 11 1/2"

Bearing span

12.25

Total capacity cylrs. (each engine)

480

each 480

at

525

RPM.

Mean Indicated pressure

76.6

Max. firing pressure

585

Weight 2170 lbs.

tons, Diameter

3

ft.

Balance Weights : Total weight at radius of gyration

tons at

ft.

ing air reservoirs : No.

6

~~Welded~~  
welded.

Internal diar.

20"

W.P.

250

capacity each

13.75

cub. ft.

etric Propulsion: No.

AC

generators

volts

amps.

kW each at

RPM

No.

AC

motors

volts

amps.

BHP each at

RPM

ting: diars. crank

7

motor

thrust

7

intermediate

51"

propeller

6" Tobin

bronze

diameters

6.15 (Propeller)

4.86

5.6

eller: diar.

76"

pitch

58"

surface

2300"

RPM

262.5

Tailshaft liner non-continuous

X

X

of Trial Trip.

April 28, 1949

IHP  
SHP

480

RPM

525

Knots 9.5

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.

[over

002701-002710-0230



# Particulars of Auxilliary Machinery Ordered by Enginebuilders.

	MAKERS	No., DESCRIPTION, SIZE, &c.
Superheater - - -	NONE	
Evaporator - - -	NONE	
Feed Heater - - -	NONE	
" Filter - - -	NONE	
Air Compressors -	Messrs. Fairbanks-Morse	
" Reservoirs - -	Diesel Plant Specialties Co., Wisconsin	20" diam. 60" long (6
Dynamo - - -	Fairbanks-Morse & Co.	No. volts. 125 amps. 60 Total
" Engine - - -	Fairbanks-Morse Model 48	
Electric Auxillaries	Combined aux. compressor, motor and pump, Fairbanks-Morse	Diesel 8 H.P., 1750 re by CH Engine No. 105619, Mot volts, 43 amps. 5 k.W.L'S L

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

Boilers and Air Reservoirs	MAIN	AUX. OR DONKEY
Makers of Plates (Shell) -	Air Reservoirs	
" " (Flanging) -		
" " (Furnace) -	Final particulars not yet to hand.	
" Stay Bars - -		
" Rivets - - -		
" Tubes - - -		
" Furnaces - -		

ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS

Engine Forgings and Castings, &c.	No.	MATERIAL *	MADE BY	FINISHED BY
Crank Shaft Body Pieces -		Cast	See Makers, Fairbanks-Morse Tests	
" " Pins - - -		Iron	" " "	" "
" " Webs - - -		Alloy	" " "	" "
Piston Rods - - -			" " "	" "
Connecting Rods - -			" " "	" "
Crossheads - - -				
Turbine Spindles - -				
" Discs or Drums -				
" Pinions - - -				
Reduction Gear Shafts -				
Main Gear Shafts - -				
" Motor Shafts - -				
" Generator Shafts -				
Thrust Shafts - - -	1	I S	Fairbanks-Morse & Co.	Fairbanks-Morse & Co.
Intermediate Shafts -	2	I.S.	Trenton Steel Co., Trenton	Atlantic Bridge Co. Lunenburg
Propeller Shafts - -	1	Tobin Bronze	Messrs. H. M. Hillman.	Atlantic Bridge Co. Lunenburg
Steel Castings - - -	2	C S	Maritime Steel Works	Atlantic Bridge Co.
Aux. Eng. Crank Shafts -				
Propeller - - -	1	C S	Wm. Kennedy & Sons Ltd.	Wm. Kennedy & Sons
Pipes, Main Steam, Air, &c. -				

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