

AIR RECEIVERS:—Have they been made under survey *yes* State No. of Report or Certificate *yes*
 Is each receiver, which can be isolated, fitted with a safety valve as per Rule *yes*
 Can the internal surfaces of the receivers be examined and cleaned *yes* Is a drain fitted at the lowest part of each receiver *yes*
Injection Air Receivers, No. Cubic capacity of each Internal diameter thickness
 Seamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules Actual
Starting Air Receivers, No. *one off* Total cubic capacity *10 m³* Internal diameter *6'-0"* thickness *1"*
 Seamless, lap welded or riveted longitudinal joint *triple* Material *S. & L. Steel* Range of tensile strength *28 1/2 / 5"* Working pressure by Rules *25.6 kg/cm²* Actual *25 kg/cm²*

IS A DONKEY BOILER FITTED? *yes* If so, is a report now forwarded? *yes*
 Is the donkey boiler intended to be used for domestic purposes only *yes and for wind lairs*

PLANS. Are approved plans forwarded herewith for Shafting *yes* Receivers *yes* Separate Fuel Tanks *yes*
 (If not, state date of approval.)
 Donkey Boilers *yes* General Pumping Arrangements *yes* Pumping Arrangements in Machinery Space *yes*
 Oil Fuel Burning Arrangements *no*

SPARE GEAR.
 Has the spare gear required by the Rules been supplied *yes*
 State the principal additional spare gear supplied *Spare propeller shaft & 2 cast iron propellers.*

The foregoing is a correct description,

AKTIESELSKABET
BURMEISTER & WAIN'S MASKIN- OG SKIBSBYGGERI

Manufacturer.

Dates of Survey while building	During progress of work in shops -	Oct. 10-26 Nov. 3-16 Dec. 4-1936 Jan. 29-30 February 3-8-10-11-16-26 March 1-3-4-9-27-31 April 1-2-6-8-9-20-21 May 7-12-19-17-31 June 1-4-15-18-14-22-25-30 July 3-6-14-20-22-24-26-30-31 Aug. 3-6-7-11-12-13-17-18-19-20-23 Oct. 1-5-19										
	During erection on board vessel - -	Oct. 1-5-9-14-22-25-27-30 Nov. 1-2-6-8-12-15-16-17-19-1937										
	Total No. of visits	78.										
	Dates of Examination of principal parts - Cylinders and Covers	196-4/7-7/8-1/6-30/6-28/7 25/7-30/7-20/7-3/8										
Crank shaft	Flywheel shaft	Thrust shaft	Intermediate shafts	Pistons	Rods	Connecting rods	20/1-3/2-6/4					
							-					
Screw shaft	Propeller	Stern tube	Engine seatings	Engines holding down bolts				27/10-27/10				
Completion of fitting sea connections	Completion of pumping arrangements		Engines tried under working conditions				27/7-4/8-13/8					
Crank shaft, Material	S. Ch. Steel	Port. LLOYD'S 3667	C. 66	Starb. LLOYD'S 3648	Engines				5/11-10/11-12/11			
Thrust shaft, Material	S. Ch. Steel	Port. LLOYD'S 3667	C. 14-5-37	Intermediate shafts, Material	C. K. 7-5-37	Identification Mark				3721-3722		
Tube shaft, Material	S. Ch. Steel	Port. LLOYD'S 3667	C. 14-5-37	Engines	S. Ch. Steel	Identification Marks				C. V. 9-7-37		
Tube shaft, Material	S. Ch. Steel	Port. LLOYD'S 3667	C. 14-5-37	Engines	S. Ch. Steel	Identification Marks				C. V. 9-7-37		
Identification Marks on Air Receivers	LLOYD'S TEST											

4. ATM

WP 25 ATM

C.V. - 18.6. 37

Is the flash point of the oil to be used over 150° F. yes ✓
Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with yes ✓
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo ✓ If so, have the requirements of the Rules been complied with ✓
If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with no ✓
Is this machinery duplicate of a previous case yes If so, state name of vessel B. N. Ford No 625-627 } yes Register
yes Order

General Remarks (State quality of workmanship, opinions as to class, &c. The above machinery has been constructed and fitted on board in accordance with the Rule the approval plans and the requirements contained in the Secretary's letter E dated: - 2/7-23/7-24/7-27/7-26/11-2/12-17/12/14

The materials used in construction has been tested as per Rules and the workmanship is good

On completion the machinery was tested under varying conditions and the maneuvering of the main engine tests and found satisfactory.

Recommend the vessel's machinery to have notation in the Register Book
of U.S. LMC-11.37-2 DB-180 Hrs. OIL ENGINES, C.L.

The amount of Entry Fee	Rs 134.40	When applied for,	9/12/1937
Special	Rs 2739.52	When received,	18/1/1938
One donkey boiler fee	Rs 300.00		
Travelling Expenses (if any)	Rs 7.00		
LATE FEE	Rs 30.00		
Committee's Minute	FRI. 17 DEC 1937		
Assigned	+ dmb. 11/27		200-1800
	oil exp.		Cf.

Chilop
Engineer Surveyor to Lloyd's Register of Shipping.

Port of *Copenhagen*

Twin Sc. ARGUS

List of Auxiliary Machinery.

1 of ballast & condenser circulating water pumps
8" x 9" x 9" duplex
2 of donkey feed pumps, 5½" x 3½" x 8" duplex
1 " boiler oil fuel transfer pumps 135 x 125 x 125^{1/2} in duplex
1 " fan for forced draught
2 " cargo oil pumps 20" x 16" x 24" duplex
1 " stripping pump 7½" x 7½" x 10" duplex } Midship pump room
1 " ballast pump 7½" x 7½" x 10" duplex }
1 " oil fuel transfer pump 10" x 8" x 10" duplex } Forward pump room
1 warming whistle, 2 cargo whistles & 1 windlass
2 of cog wheel pressure pumps for oil fuel burners
2 of centrifugal sea water cooling pumps, 230 l/h each.
1 " — " — fresh water cooling pump, 230 l/h
2 " cog wheel lubricating oil pumps, 200 l/h each
1 " bilge & sanitary pump, 2 plungers 2 x 26 l/h
1 " cog wheel oil fuel transfer pumps 30 l/h.
1 " centrifugal cooling water pump for air cargo 15 l/h
1 " fresh water supply pump for boiler feed tanks

Driven by Steam

Electrically driven

2 off 80 KW compound wound dynamos, 220 volts & 364 amperes
x 400 R.P.M. each worked by a 2 cylinder 250 S.F. Diesel engine
& 1 off 30 KW. compound wound dynamo 220 volts & 138 amperes
worked by a 1 cylinder "Rocher" steam engine supplying
current for the following purposes:-

2 off 30HP	shunt wound	electromotors	for the	cooling sea water	pumps
1 " 25 "	"	"	"	"	fresh water pumps
2 " 60 "	"	"	"	"	lubricating oil pumps
1 " 10 "	compound	"	"	"	bilge & sanitary pumps
1 " 12 "	shunt	"	"	"	oil fuel transfer pumps
1 " 3 "	"	"	"	"	aux. cooling water pumps
1 " 0.9 "	"	"	"	"	fresh water supply pump
2 " 3.5 "	"	"	"	"	oil purifiers
2 " 8 "	series	"	"	"	engine turning gears
1 " 85 "	shunt	"	"	"	CO ₂ compressor
1 " 2 "	"	"	"	"	cooling w. pumps for Ref. Alky.
1 " 3.5 "	"	"	"	"	water shops
1 " 0.33 "	comp	"	"	"	grinding machines
1 " 0.2 "	series	"	"	"	fan in galley
1 " 22 "	"	"	"	"	steering gear
1 " 1.9 "	shunt	"	"	"	wins &es

1 a 15 KW compound wound dynamo 110 volts x 136 amps x 1500 R.P.M.
direct coupled to a 23.5 HP steam wound electric motor supplying
current for the electric light installation.

Twin Se. FARGUS

The steam for the steam driven auxiliaries is supplied from 2 horizontal double boilers of multi-tubular type fitted with oil burning and exhaust gas firing 452830 sq feet WD-180 lbs/0"

The boilers further supply steam for the heating coils in the cargo oil tanks, and the oil fuel settling tanks and for the heaters in the accommodation.

J. R. J.

THE ABOVE IS A CORRECT DESCRIPTION.

AKTIESELSKABET
BURMEISTER & WAIN'S MASKIN- OG SKIBSBYGGERI

A. Hennicke



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Lloyd's Register
Foundation