

AUXILIARY REPORT ON OIL ENGINE MACHINERY.

No. 7168.

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Port 4/1 1926. When handed in at Local Office 19 Port of Copenhagen
held at Holby Date, First Survey 23/2/1925 Last Survey 5/12 1925
Number of Visits 18
Single } MOTOR " DANMARK " Screw vessels
Twin }
Triple }
Built at Copenhagen By whom built M. B. Mønsthus & Hain's Yard No. 337 When built 1925
at Copenhagen By whom made M. B. Mønsthus & Hain's Engines No. 1088 When made 1925
made at Holby By whom made Holby Dieselmotorfabrik Boiler No. 222 When made 1925
Power 4000 Owners M. B. Mønsthus & Hain's Port belonging to Copenhagen
Power as per Rule 983 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

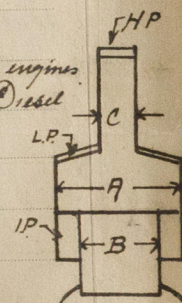
VES, &c. Type of Engines Vertical Diesel Oil Engines (Chirk type) 2 or 4 stroke cycle 4 Single or double acting Single
in cylinders 35 kg/cm^2 No. of cylinders 2 on each. No. of cranks 2 Diameter of cylinders 325 mm
350 mm Revolutions per minute 300 Means of ignition Compression Kind of fuel used Crude oil, F.P. 150°F
between each crank 7/16" Span of bearings (Page 92, Section 2, par. 7 of Rules) 388 mm
centres of main bearings Is a flywheel fitted Diameter of crank shaft journals as per Rule
as fitted Breadth of crank webs as per Rule as fitted Thickness of ditto as per Rule
as fitted Diameter of tunnel shaft as per Rule as fitted Diameter of thrust shaft as per Rule
as fitted Is the screw shaft fitted with a continuous liner the whole length of the stern tube
of the liner made watertight in the propeller boss If the liner is in more than one length are the joints turned
not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive
e fitted, is the shaft lapped or protected between the liners If without liners, is the shaft arranged to run in oil
land fitted to stern tube Length of stern bush Diameter of propeller
er No. of blades state whether moveable Total surface square feet
sing Is a governor or other arrangement fitted to prevent racing of the engine when declutched Thickness of cylinder liners
rs fitted with safety valves Means of lubrication Are the exhaust pipes and silencers water cooled or lagged with
material If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine
No. of cooling water pumps Is the sea suction provided with an efficient strainer which can be cleared
sel No. of bilge pumps fitted to the main engines Diameter of ditto Stroke
erhailed while the other is at work No. of auxiliary pumps connected to the main bilge lines How driven
s No. and sizes of suctions connected to both main bilge pumps and auxiliary bilge pumps:—In engine room
etc. No. of ballast pumps How driven Sizes of pumps
pump fitted with a direct suction from the engine room bilges State size Is a separate auxiliary pump suction fitted in
and size Are all the bilge suction pipes fitted with roses Are the roses in Engine Room always accessible
es on Engine Room bulkheads always accessible Are all connections with the sea direct on the skin of the ship
ves or cocks Are they fixed sufficiently high on the ship's side to be seen without lifting the floor plates
harge pipes above or below the deep water line Are they each fitted with a discharge valve always accessible on the plating of the vessel
s, cocks, valves and pumps in connection with the machinery accessible at all times Are the bilge suction pipes, cocks and valves arranged so as to prevent any
ion between the sea and the bilges Is the screw shaft tunnel watertight Is it fitted with a watertight door

If a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork
n air compressors ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by ✓
iliary air compressors 3 No. of stages 3 Diameters 3/8 285-7/8 Stroke 170 mm Driven by the auxiliary Diesel
all auxiliary air compressors ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by ✓
venting air pumps ✓ Diameter ✓ Stroke ✓ Driven by ✓
of auxiliary Diesel Engine crank shafts as per Rule 168.6 mm Are the air compressors and their coolers made so as to be easy of access Yes
as fitted 170 mm

RECEIVERS:—No of high pressure air receivers 3 Internal diameter 7 1/4" Cubic capacity of each 30 litres

S.M. Steel Seamless, lap welded or riveted longitudinal joint Seamless Range of tensile strength 29.4-30.3 t
3/8" working pressure by Rules 77.7 kg/cm² No. of starting air receivers ✓ Internal diameter ✓

ic capacity ✓ Material ✓ Seamless, lap welded or riveted longitudinal joint ✓
tensile strength ✓ thickness ✓ Working pressure by rules ✓ Is each receiver, which can be isolated, ✓
h a safety valve as per Rule Yes Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their
faces arrangements made for cleaning out Is there a drain arrangement fitted at the lowest part of each receiver Yes



IS A DONKEY BOILER FITTED? *yes.*

If so, is a report now forwarded? *yes.*

HYDRAULIC TESTS:—

DESCRIPTION.	DATE OF TEST.	WORKING PRESSURE.	TEST PRESSURE.	STAMPED.
AUXILIARY ENGINE CYLINDERS				
" " COVERS	24/8 25.			
" " JACKETS.....				
" " PISTON WATER PASSAGES.....		10 lbs. per sq. in.	30 lbs. per sq. in.	LLOYD'S TEST 30 lbs. at 24.8.25.
AUXILIARY COMPRESSORS—1st STAGE.....	6/8 25.	4 kg/cm ²		
" 2nd "	6/8 25.	16 " "		
" 3rd "	27/6 25.	65 " "		
AIR RECEIVERS—STARTING				
" INJECTION	30/10 24.	65 " "	2000 lbs. per sq. in.	LLOYD'S TEST 2000 lbs. 30.10.24 J.H.
AIR PIPES	29/10 4/11 25.	25 / 65 " "	50 / 130 kg/cm ²	RQ 29.10.25. 50 ATM / R
FUEL PIPES				
FUEL PUMPS				
SILENCER				
" WATER JACKET				
SEPARATE FUEL TANKS				

PLANS. Are approved plans forwarded herewith for shafting (If not, state date of approval) *yes.*

SPARE GEAR

please see accompanying lists.

Receivers

Separate Tanks

The foregoing is a correct description,

AKTIESELSKABET
HOLBY DIESEL MOTOR FABRIK

Manufacturer.

Dates of Survey while building	During progress of work in shops--	23/2. 24/2. 26/2. 28/2. 2/3. 27/6. 13/7. 14/7. 6/8. 24/8. 29/10. 4/11 25.
	During erection on board vessel--	25/11. 3/12. 5/12 25.
	Total No. of visits	18.

Dates of Examination of principal parts—Cylinders	13/7. 14/7. 24/8.	Covers	13/7. 24/8	Pistons	14/7	Rods	✓	Connecting rods	✓
Crank shafts	23/2. 24/2. 26/2. 28/2. 2/3. 27/6. 13/7. 14/7. 6/8. 24/8. 29/10. 4/11 25.	Thrust shaft	✓	Tunnel shafts	✓	Screw shaft	✓	Propeller	✓
Engines holding down bolts	9/11. 12/11	Completion of pumping arrangements	✓	Engines tried under working conditions	✓	Screw shaft and propeller	✓	Identification Mark on Do.	✓
Completion of fitting sea connections	✓	Material of crank shafts	S.M. Steel.	Identification Mark on Do.	✓	Material of thrust shaft	✓	Identification Mark on Do.	✓
Material of tunnel shafts	✓	Identification Marks on Do.	✓	Material of screw shafts	✓	Identification Marks on Do.	✓	Identification Marks on Do.	✓

Is the flash point of the oil to be used over 150° F. *yes.*

Is this machinery duplicate of a previous case *yes.* If so, state name of vessel.

General Remarks (State quality of workmanship, opinions as to class, &c.)

These auxiliary engines have been built under special survey and in accordance with the Rules. The approved plans of crank shaft and the Peerless's 2nd edict 25/11 25. The material used in the construction has been tested and met as required by the Rules and the workmanship is good.

The amount of Entry Fee ... £	When applied for,
Special ... 24. 300.00	6/11 19 25
Donkey Boiler Fee ... £	When received,
Travelling Expenses (if any) 24. 90.00	12/11 19 25

Committee's Minute

FRI 22 JAN 1926

Assigned

Engineer Surveyor to Lloyd's Register of



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