

12th Nov. 43. When banded in at Local Office. 16th Nov. 43. Port of Malmö.
 Date First Survey 7th Aug. 1941. Last Survey 11th Nov. 1943.
 Number of Visits 131.

Single
on the ~~Trans~~ Screw vessel
Single
Screw vessel

"JULIAN"

Last Survey 11/1/43
Number of Visits 131

Gross
Net

at	Mahmud	By whom built	Kochmann Mek. V. A. O.	Yard No.	224	When built	1943
made at	Mahmud	By whom made	Kochmann Mek. V. A. O.	Engine No.	251	When made	1943
Boilers made at	Mahmud	By whom made	Kochmann Mek. V. A. O.	Boiler No.	982/83	When made	1943
Horse Power	4500	Owners	Hilmari Rakesten	Port belonging to	Bergen		
Horse Power as per Rule	1361	Is Refrigerating Machinery fitted for cargo purposes	No	Is Electric Light fitted	Yes		
in which vessel is intended	✓		23		35		

1. Name of Type of Engines: MAN. D72U 69110.
 2. Pressure in cylinders: 50 kg. cm² 2 or 4 stroke cycle: 2 Single or double acting: Double.
 3. Rated Pressure: 5.5 Diameter of cylinders: 600 mm Length of stroke: 1100 mm No. of cylinders: 7 No. of cranks: 7

Is there a bearing between each crank. Yes
 Kind of fuel used Heavy Oil

Semi built up of journals
as fitted 420 mm Crank pin dia 420 mm Crank Webs Mid. length breadth 700 mm Thickness parallel to axis 265 mm
approx. 420-372 mm approx. 254 mm Mid. length thickness 265 mm shrunk journal Thickness around eye hole 200 mm

Shaft, diameter as per Rule 120-371 mm. ~~as fitted~~ 354 mm. Thickness around eyehole 20.8 mm.
 as fitted 420-372 mm. Intermediate Shafts, diameter as fitted 354 mm. Thrust Shaft, diameter at collars as fitted 375 mm.
 as per Rule 120-373 mm. ~~as fitted~~ 395 mm. as fitted 375 mm.
 120-374 mm. Screw Shaft, diameter as fitted 395 mm. as fitted 375 mm.

Screw Shaft, diameter as fitted 395 mm. Is the { tube / screw } shaft fitted with a continuous liner? Yes.

Bushes, thickness in way of bushes as fitted 26 mm. Thickness between bushes as fitted 15 mm.

as fitted 15 mm. Is the after end of the liner made watertight in the

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

does not fit tightly at the part between the bearings in the stern tube, is the space charged

are fitted, is the shaft lapped or protected between the liners..... Is an approved **Oil Gland** or other appliance fitted at the after end of the tube.....

dia. 5000 mm. Pitch 4050 mm. No. of blades 4 Length of Bearing in Stern Bush next to and supporting propeller 1520 mm.
Material Cast Iron whether Moveable No Total Developed Surface 87 sq. feet
reversing Engines Direct Is a governor or other arrangement fitted to prevent racing of the engine when Yes

Thickness of cylinder liners... 41.5 mm ✓ Are the cylinders fitted with safety valves... Yes ✓ Means of lubrication...
lagged ✓ If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being sucked... Yes ✓ Are the exhaust pipes and silencers water cooled or lagged with...
2. back of 222 ✓ led to the funnel ✓

Water Pumps, No. 2. Each of 2.25 m³/H. ✓
1 of 35 m³/H. for aux. oil eng. ✓
Pumps worked from the Main Engines, No. none ✓
Is the sea provided with an efficient strainer which can be cleared within the vessel. ✓
Diameter. ✓ Stroke. ✓
Can any be overhauled while the other is at work. ✓

Location	No. and Size	How driven
connected to the Main Blage Line	3. 1 of 100 mi ³ /H. 1 of 40 mi ³ /H. 1 of 36 mi ³ /H.	1 steam driven. 2 elec. driven.
meter led to the	1 of 50 mi ³ /H.	Steam driven.
led overboard	1 of 30 mi ³ /H.	Steam driven.

1-100 mi³/H.

endent pumps arranged for circulating water through the Oil Cooler. Yes. Power Driven Lubricating Oil Pumps, including Spare Pump, No and size 2. Each of 135 m³/H.

1. 3' 1/2" in dry cargo hold. 2. 3' 1/2" in fore cofferdam. 3. 3' 1/2" in main pump room. In Pump Room, fwd. 1-3' 1/2".

Power Pump Direct Suctions to the Engine Room Bilges. No. and size. 1-5" 1-4" T-3' 1/2" bilge hose.

Bilge Suction pipes in Holds and Tanks. 1-3' 1/2" 2-3' 1/2" 3-3' 1/2" 4-3' 1/2" 5-3' 1/2"

Are the Bilge Suctions in the Machinery Spaces

Are they fitted with Valves or Cocks. Both.
 Are the Overboard Discharges above or below the deep water line. Above.

Are the Blow Off Cocks fitted with a spigot and brass covering plate... *Yes.*

How are they protected... *✓*

Function pipes from cofferdams... *26*

Clacks, Valve, and Pump in connection with the machinery and all boiler mountings accessible at all times. *Yes.*

1. The hull is water-tight. **No tunnel.** Is it fitted with a watertight door..... worked from.....
2. What means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork.....
3. The hull is water-tight. **No tunnel.** Is it fitted with a watertight door..... worked from.....
4. The hull is water-tight. **No tunnel.** Is it fitted with a watertight door..... worked from.....

Compressor, No.	No. of stages	Diameter	Stroke	Driven by
1	2	300 & 110 mm	220 mm	Aux. oil (Dynamo) eng.
2	2	150 & 110 mm	220 mm	Aux. oil (Dynamo) eng.
3	2	150 & 110 mm	220 mm	Aux. oil (Dynamo) eng.

2. Tarriloro ✓
1980 mm
25%

Drawn by Amx. generator stream engine

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152 mm. 170 mm. 1380 mm. 970 mm. Main engine. 2. Remains Remains. Lloyd's Re

SPARE GEAR

Thus the spare gear required by the Rules been supplied. Yes.

State the principal additional spare gear supplied. Main engine:- 1 top and 1 bottom cylinder cover.
1 complete fuel pump. 1 propeller shaft. 1 cast iron propeller.
Auxiliary oil engine:-
1 cylinder cover. 1 cylinder liner. 1 piston.

Is the flash point of oil in tanks 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. *Tanker* If so, have the requirements of the Rules been complied with. *No.*
Is the notation for the strengthening as detailed 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. *MT "BEAUREGARD" Mrs. F.E. Opt. No. 215*
GENERAL REMARKS (State quality of workmanship, opinions as to class etc.) *The ant. power machinery of this vessel consists of 4 stroke, single acting, compressors, heavy oil engines, built by Messrs. Hockmire Mfg. Co. The cylinders are 275 mm. in diam., strokes 420 mm. & R.P.M. = 250. Each eng. is driving an generator of 100 KW., 230 V. & 455 H. A steam eng. driven generator of 25 KW. is also installed. The main and ant. engines of this vessel have been built under special survey in accordance with the Rules and the approved plans. The materials fulfil the Rules requirements and workmanship is good. The shaftings are per forging reports enclosed. The machinery of this vessel is eligible, in our opinion, to be classed in the Reg. Society with record of *L.M.C.* with date when the survey has been completed. Working pressure of donkey boilers 17 1/2 lbs./sq."*

FRI. 14 JAN 1944
no action

TUES. 23 OCT 1945
+ LMC 745 Oil Eng.
C/L. 22B 17.16.

Additional pumps installed:-

In motor space:-

- 1 sanitary pump of 20 m^3/H .
- 2 " " " 3 "
- 1 oil transfer " " 23 "
- 1 cooling water pump for motor of 3 m^3/H .
- 2 units of oil fuel pumps for Donkey boilers.
- 2 fuel pumps, Duplex 6" x 4" x 6" for Donkey boilers.

In main pump room:-

- 2 cargo pumps, Duplex 16" x 14" x 18".

To complete survey:-
The main and auxiliary engines and pumps to be tried under working conditions.
It cannot be stated when the survey will be completed.