

REPORT ON OIL ENGINE MACHINERY.

No. 39720 B

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Survey held at Schiedam Date, First Survey Last Survey 14th April 1955
Number of Visits

Single on the Twin Triple Quadruple
Screw vessel Non prop. Patent S Q 10 Indent H. F. 0130 A.S.C. / Q.A.T.
Schiedam By whom built N.W. Werf "Gusto" Yard No. 102 When built 1955
made at By whom made Engine No. When made
Boilers made at By whom made Boiler No. When made
orse Power Maximum Service Owners Shell Company of Qatar Port belonging to Rondon
per Rule Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Not fitted
r which vessel is intended Sea going pontoon for marine drilling platform at Qatar
GINES, &c. —Type of Engines 2 or 4 stroke cycle Single or double acting
n pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders No. of cranks
licated Pressure Span of bearings (i.e., distance between inner edges of bearings in crank)
Is there a bearing between each crank Revolutions per minute Maximum Service
dia. Weight Moment of inertia of flywheel (lbs. in² or Kg. cm.²) Means of ignition Kind of fuel used
Solid forged dia. of journals as per Rule Crank pin dia. Crank webs Mid. length breadth Thickness parallel to axis
All built as fitted shrunk Thickness around eyehole
Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thrust Shaft, diameter at collars as per Rule
as fitted as fitted as fitted
ft, diameter as per Rule Screw Shaft, diameter as per Rule Is the tube screw shaft fitted with a continuous liner
as fitted as fitted as fitted
liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule Is the after end of the liner made watertight in the boss
as fitted as fitted as fitted
r does 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
If two liners are fitted, is the shaft lapped or protected between the liners Is an approved Oil Gland fitted at the after
n tube If so, state type Length of bearing in Stern Bush next to and supporting propeller
dia. Pitch No. of blades Material whether moveable Total developed surface sq. feet
inertia of propeller including entrained water (lbs. in² or Kg. cm.²) Kind of damper, if fitted
reversing Engines Is a governor or other arrangement fitted to prevent racing of the engine Means of
Thickness of cylinder liners Are the cylinders fitted with safety valves Are the exhaust pipes and silencers water cooled
with non-conducting material If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned
engine Cooling Water Pumps, No. and how driven Working F.W.
Spare F.W. S.W. Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
is worked from the Main Engines, No. and capacity Can one be overhauled while the other is at work
ected to the Main Bilge Line (No. and capacity of each One 2 inch manual pump in pumproom, One portable 2 inch
How driven manual pump
g water led to the bilges No If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping
ts
ps, No. and capacity One @ 500 m³/h Power Driven Lubricating Oil Pumps, including spare pump, No. and size
pendent means arranged for circulating water through the Oil Cooler Branch Bilge Suctions
In machinery spaces pumproom 2 @ 2 inches In pump room
One in Port and Sbd after peak tank @ 2 inches each, One @ 2 inches in Port and Sbd
Suctions to the engine room bilges, No. and size fore peak tank each
lge suction pipes in holds and tunnel well fitted with strum-boxes Yes Are the bilge suction in the machinery spaces led from easily
d-boxes, placed above the level of the working floor, with straight tail pipes to the bilges
connections fitted direct on the skin of the Ship's hull boxes Are they fitted with valves or cocks Valves Are they fixed
ph on the ship's side to be seen without lifting the platform plates Yes Are the overboard discharges above or below the deep water line above
each fitted with a discharge valve always accessible on the plating of the vessel Yes Are the blow off cocks fitted with a spigot and brass covering plate
ipes pass through the bunkers None How are they protected
ipes pass through the deep tanks None Have they been tested as per Rule
pipes, cocks, valves and pumps in connection with the machinery and all boiler mountings accessible at all times
rangement of valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery
r from one compartment to another Yes Is the shaft tunnel watertight Is it fitted with a watertight door worked from
d vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork
ir Compressors, No. No. of stages diameters stroke driven by
y Air Compressors, No. No. of stages diameters stroke driven by
uxiliary Air Compressors, No. No. of stages diameters stroke driven by
ovision is made for first charging the air receivers
ing Air Pumps or Blowers, No. How driven
y Engines Have they been made under survey No Engine Nos. 3130, 307
Makers name Messrs F. Perkins Ltd. Rikabo rough Position of each in engine room Fitted direct to
Ballast pump in the pumproom (Hand started) Report No.
00 2330-002339-0128

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AIR RECEIVERS:—Have they been made under survey Not fitted State No. of report or certificate ✓
State full details of safety devices ✓
Can the internal surfaces of the receivers be examined and cleaned ✓ Is a drain fitted at the lowest part of each receiver ✓
Injection Air Receivers, No. Not fitted Cubic capacity of each ✓ Internal diameter ✓ thickness ✓
Seamless, welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure ✓
Starting Air Receivers, No. Not fitted Total cubic capacity ✓ Internal diameter ✓ thickness ✓
Seamless, welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure ✓

IS A DONKEY BOILER FITTED Not fitted if so, is a report now forwarded ✓
Is the donkey boiler intended to be used for domestic purposes only ✓

PLANS. Are approved plans forwarded herewith for shafting ✓ Receivers ✓ Separate fuel tanks 2-3-55
(If not, state date of approval)
Donkey boilers ✓ General pumping arrangements 17-1-55 Pumping arrangements in machinery space pump room 2-3-55
Oil fuel burning arrangements ✓
Have Torsional Vibration characteristics been approved ✓ Date and particulars of approval ✓

SPARE GEAR.

Has the spare gear required by the Rules been supplied yes State if for "short voyages" only ✓
State the principal additional spare gear supplied ✓

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - -
During erection on board vessel - - -
Total No. of visits

Dates of examination of principal parts—Cylinders ✓ Covers ✓ Pistons ✓ Rods ✓ Connecting rods ✓
Crank shaft ✓ Flywheel shaft ✓ Thrust shaft ✓ Intermediate shafts ✓ Tube shaft ✓
Screw shaft ✓ Propeller ✓ Stern tube ✓ Engine seatings ✓ Engine holding down bolts ✓
Completion of fitting sea connections 12-4-55 Completion of pumping arrangements 14-4-55 Engines tried under working conditions ✓
Crank shaft, material ✓ Identification mark ✓ Flywheel shaft, material ✓ Identification mark ✓
Thrust shaft, material ✓ Identification mark ✓ Intermediate shafts, material ✓ Identification marks ✓
Tube shaft, material ✓ Identification mark ✓ Screw shaft, material ✓ Identification mark ✓
Identification marks on air receivers ✓

Welded receivers, state Makers' Name ✓
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
Full description of fire extinguishing apparatus fitted in pump room 2 Foamite apparatus (portable @ 9 liters)
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No If so, have the requirements of the Rules been complied with ✓
What is the special notation desired Not desired
If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with Not desired

Is this machinery duplicate of a previous case yes If so, state name of vessel Gusto Yard No. 101 S.P. 9 London H.F. 0130 A.S.C / Q.A.T.

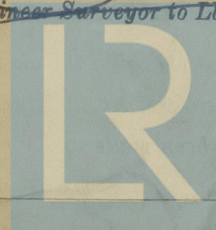
General Remarks (State quality of workmanship, opinions as to class, Speed restrictions, &c.)

The pumping arrangements with Ballast pump, separate fuel tank and fittings etc in the pump room of this porttorn was built and fitted in accordance with the Rules, approved plans and Secretary's letters and made of tested materials. Found the Ballast pump marked: Begeemann No. 41117 Ploeghs test 4 kg A.V.H. 14-3-55
The aux oil engine driving mentioned Ballast pump was not ordered by Messrs Gusto to be built under special survey (as requested by the undersigned). Upon completion of fitting of this arrangement the Ballast and stripping lines were tested as required by hys pressure, all the pumps and oil engine with driven Ballast pump examined under full working condition and found together with workmanship in good order. With a view to the above the pumping arrangement of this porttorn is eligible in my opinion to be submitted for classification in the Society's Reg. Book

The amount of Entry Fee ... £ 220,-
Special ... £
Donkey Boiler Fee... £
Travelling Expenses (if any) £ 1.50
When applied for 27.6. 1955
When received 19

Committee's Minute TUESDAY 16 AUG 1955
Assigned See Ret. 1.

Engineer Surveyor to Lloyd's Register of Shipping.



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