

REPORT ON OIL ENGINE MACHINERY.

No. 2368

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writing Report 12/6 1953 When handed in at Local Office 17/6 1953 Port of HELSINGBORG.

Survey held at Landskrona Date, First Survey 1st November, 1952 Last Survey 9th June, 1953
Number of Visits 47Type of vessel Single on the TWIN Triple Quadruple
Screw vessel Motortanker "MADELEINE". Tons Gross 10729 Net 6257

Landskrona By whom built Öresundsvarvet A/B Yard No. 126 When built 1953

made at Gothenburg By whom made A/B Götaverken Engine No. 2503 When made 1953

Boilers made at Stockton-on-Tees By whom made Stockton Chemical Eng. & Riley Boiler No. 7289/90 When made 1953

orse Power { Maximum 6500 ✓ Owners A/B Verna Port belonging to Helsingborg
Service 1300 ✓

per Rule 1300 ✓ Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

for which vessel is intended International. "Tanker".

Type of Engines Heavy oil, 680/1500, V.G.S. 9 2 or 4 stroke cycle 2 ✓ Single or double acting S.A. ✓

Indicated Pressure - Diameter of cylinders - Length of stroke - No. of cylinders 9 ✓ No. of cranks 9 ✓

Span of bearings (i.e., distance between inner edges of bearings in crank) - Is there a bearing between each crank - Revolutions per minute { Maximum 112 ✓ Service -

Moment of inertia of flywheel (lbs. in² or Kg. cm.²) - Means of ignition Compr. Kind of fuel used Diesel

Weight - " " " " balance wts. (" " " ") -

Solid forged Semi built All built Crank pin dia. - Crank webs Mid. length breadth - Thickness parallel to axis -
Mid. length thickness - Thickness around eyehole -

Intermediate Shafts, diameter as per Rule 435 mm. as fitted 435 mm. Thrust Shaft, diameter at collars as per Rule - as fitted -

Screw Shaft, diameter as per Rule - as fitted - Is the screw shaft fitted with a continuous liner { Yes ✓

Liners, thickness in way of bushes as per Rule 23-22 mm. as fitted 23-22 mm. Thickness between bushes as per Rule 18 mm. as fitted 18 mm. Is the after end of the liner made watertight in the stern tube No ✓

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

If two liners are fitted, is the shaft lapped or protected between the liners. - Is an approved Oil Gland fitted at the after end of the stern tube No ✓

Length of bearing in Stern Bush next to and supporting propeller 2000 mm. ✓

er, dia 550 mm ✓ Pitch 4400/3600 mm No. of blades 4 Material Bronze whether moveable No Total developed surface 11.87 sq. feet ✓

of inertia of propeller including entrained water (lbs. in² or Kg. cm.²) 226000 Kg. cm.² Kind of damper, if fitted -ion Forced Thickness of cylinder liners - Are the cylinders fitted with safety valves Yes ✓ Are the exhaust pipes and silencers water cooled with non-conducting material Lagged If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned the engine Led to the funnel Cooling Water Pumps, No. and how driven 4 off. - Driven by Working P.W. One ✓

One Spare F.W. One S.W. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes ✓

umps worked from the Main Engines, No. and capacity None Can one be overhauled while the other is at work -

connected to the Main Bilge Line (No. and capacity of each 1 ballast á 125 t/h. 1 bilge á 32 t/h. 1 condenser 190 t/h. ✓
How driven All driven by steam

ooling 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 arrangements -

Pumps, No. and capacity One á 125 t/h Power Driven Lubricating Oil Pumps, including spare pump, No. and size 3 á 120 m³/h. ✓

independent means arranged for circulating water through the Oil Cooler Yes Branch Bilge Suctions -

size: - In machinery spaces 3x3 3/4"; 2x2.5/8"; 2x2.5/8" to c/d below E.R. ✓ In pump room Fwd: 1x2 1/2" ✓

Centre: 3x3 1/2" Aft: 3x3 1/2" Dry cargo hold: 2x3" ✓ Fwd. c/d: 1x4" ✓ Aft c/d: 1x4" ✓

Bilge Suctions to the engine room bilges, No. and size 1x7"; 1x5"; 1x8" Emergency ✓

the bilge suction pipes in holds and tunnel well fitted with strum-boxes Yes ✓ Are the bilge suction in the machinery spaces led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges Yes ✓

Sea Connections fitted direct on the skin of the Ship No Are they fitted with valves or cocks Valves ✓ Are they fixed readily high on the ship's side to be seen without lifting the platform plates No ✓ Are the overboard discharges above or below the deep water line. Below ✓

Every 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. Yes ✓

pipes pass through the bunkers - How are they protected -

pipes pass through the deep tanks 1 pipe thr. fwd deep tank to FPI ✓ Have they been tested as per Rule Yes ✓
2 " " aft " " to aft c/d ✓

pipes, cocks, valves and pumps in connection with the machinery and all boiler mountings accessible at all times Yes ✓

arrangement 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 or from one compartment to another Yes ✓ Is the shaft tunnel watertight Mch. aft Is it fitted with a watertight door - worked from -

Good vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork -

Air Compressors, No. None No. of stages - diameters - stroke - driven by -

Auxiliary Air Compressors, No. Two No. of stages Two diameters 320/280 mm. stroke 150 mm. driven by El. motors

Auxiliary Air Compressors, No. None No. of stages - diameters - stroke - driven by -

provision is made for first charging the air receivers. Charged by aux. compr. ✓ Current supplied from steam driv. generator

nging Air Pumps or Blowers, No. - How driven - Engine Nos. 2504 - 2505. ✓

Have they been made under survey. Yes ✓ Makers name A/B Götaverken, Gothenburg Position of each in engine room One on port side and one on starboard side in Engine Room. ✓ Report No. Rpt. 4c attached hereto.

16, 1953, 10, 15, 20, 8



