

## REPORT ON OIL ENGINE MACHINERY.

No. 227/3.  
19 MAR 1934

Received at London Office

Date of writing Report 13 March 1934 When handed in at Local Office 19 Port of Amsterdam

No. in Survey held at Amsterdam Date, First Survey 7 January 34 Last Survey 8 March 1934  
Reg. Book. NEW DAGENHAM Number of Visits 12

on the Single Twin Triple Quadruple Screw vessel NEW Tons Gross Net

Built at Amsterdam By whom built Ind. by de Noord N.V. Yard No. 524 When built 1934  
Engines made at Hengelo By whom made Hankel Gen. Werk - Co. Engine No. 3673 When made 1934  
Donkey Boilers made at ✓ By whom made ✓ Boiler No. ✓ When made ✓

Indicated Horse Power 2 x 200 Owners De Nederlandsche Stoomvaart Maatschappij N.V. Port belonging to London

Indicated Horse Power as per Rule 70 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes  
Made for which vessel is intended River purposes

ENGINES, &c. Type of Engines 13106 2 or 4 stroke cycle Single or double acting ✓

Maximum pressure in cylinders ✓ Diameter of cylinders ✓ Length of stroke ✓ No. of cylinders ✓ No. of cranks ✓  
Indicated Pressure ✓

No. of bearings, adjacent to the Crank, measured from inner edge to inner edge ✓ Is there a bearing between each crank ✓  
Revolutions per minute 750 Flywheel dia. ✓ Weight ✓ Means of ignition ✓ Kind of fuel used Heavy oil

Crank Shaft, dia. of journals as per Rule ✓ Crank pin dia. ✓ Crank Webs Mid. length breadth ✓ Thickness parallel to axis ✓  
as fitted ✓ Mid. length thickness ✓ Thickness around eyehole ✓

Wheel 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 ✓

Propeller Shaft, diameter as per Rule ✓ Screw Shaft, diameter as per Rule ✓ Is the tube screw shaft fitted with a continuous liner no liner  
as fitted ✓ as fitted ✓

Propeller 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  
as fitted ✓ as fitted ✓ ✓

Propeller boss ✓ If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ✓  
If the liner 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-corrosive ✓  
If two liners 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 ✓  
If so, state type ✓ Length of Bearing in Stern Bush next to and supporting propeller 495 mm

Propeller, dia. ✓ Pitch ✓ No. of blades ✓ Material ✓ whether Moveable ✓ Total Developed Surface ✓ sq. feet

Method of reversing Engines ✓ Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication ✓  
Thickness of cylinder liners ✓ Are the cylinders fitted with safety valves ✓ Are the exhaust pipes and silencers water cooled or lagged with ✓  
conducting material both If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine funnel

Bilge Water Pumps, No. 2 one each Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes  
Pumps worked from the Main Engines, No. 2 one each Diameter ✓ Stroke ✓ Can one be overhauled while the other is at work yes

Pumps connected to the Main Bilge Line No. and Size one 19 ton centrifugal  
How driven by engine

Is the cooling water led to the bilges overboard If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping ✓  
arrangements ✓

Oil Pumps, No. and size one centrifugal 19 ton p.h. Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size 1-4 ton tank to engine  
two independent means arranged for circulating water through the Oil Cooler yes 1-2 ton tank to engine  
Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge ✓  
Pumps, No. and size:—In Machinery Spaces 2 1 x 2 1/2" - 1-2" In Pump Room ✓

Folds, &c. 7. P. 1 x 2" Hold No. 1 - 1 x 2" Afterhold 1 x 2" After pump Trunk space 1 x 2"  
Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 x 2 1/2"

Are all the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes yes Are the Bilge Suctions in the Machinery Spaces ✓  
from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges yes  
Are all Sea Connections fitted direct on the skin of the ship yes Are they fitted with Valves or Cocks both  
Are they fixed sufficiently high 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  
Are they 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 ✓  
Are the pipes pass through the bunkers none How are they protected ✓  
Are the pipes pass through the deep tanks none Have they been tested as per Rule ✓

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes  
Is there an 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 spaces, or from one ✓  
department to another yes Is the Shaft Tunnel watertight no tunnel As it fitted with a watertight door ✓ worked from ✓  
If the vessel is a wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork Sub wood

Air Compressors, No. none No. of stages ✓ Diameters ✓ Stroke ✓ Driven by Electric  
Auxiliary Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by starter

Auxiliary Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by 2020  
Engaging Air Pumps, No. ✓ Diameter ✓ Stroke ✓ Driven by ✓

Auxiliary Engines crank shafts, diameter as per Rule ✓  
as fitted 90 mm ✓



