

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 31st March 1953 When handed in at Local Office 19 Port of HAMBURGNo. in Survey held at HAMBURG Date, First Survey 21st Jan. Last Survey 12th Mar. 1953
Reg. Book. (No. of Visits 11)64263 on the M.V. "STANVAC NAIROBI" (ex "JAMES J. MAGUIRE") Tons 11643
Gross 6857.83
Net 1939.5Built at Monfalcone By whom built Cant. Riuniti dell'Adriatico Yard No. - When built 1939,5Owners Oriental Trade & Transport Co. Port belonging to LondonInstallation partly new fitted by: Willi Ostermann, Hamburg. When fitted 1953Is vessel equipped for carrying Petroleum in bulk yes Is vessel equipped with D.F. yes E.S.D. yes Gy.C. yes Sub.Sig. yes Radar yesPlans, have they been submitted and approved yes System of Distribution double wire insul. Voltage of Lighting 110Heating - Power yes D.C. or A.C., Lighting D.C. Power 110 If A.C. state frequency -Prime Movers, has the governing been found as per Rule when full load is thrown on and off yes Are turbine emergency governors fittedwith a trip switch - Generators, are they compound wound yes, and level compounded under working conditions yesAre the generators arranged to run in parallel no Is the compound winding connected to the negative or positive pole negativeHave machines 100 kw. and over been inspected by the Surveyors during manufacture and testing - Have certificates of test for machinesunder 100 kw. been supplied and the results found as per Rule yes Position of Generators port forward andport aft in main engine roomis the ventilation in way of generators satisfactory yes are they clear of inflammable material and protected from mechanical injury anddamage from water, steam and oil yes Switchboards, where are main switchboards placed port aftare they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil yes, what insulation is used for the panels as before, if of synthetic insulatingmaterial is it an Approved Type -, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom asper Rule - Is the construction as per Rule, including locking of screws and nuts yes Description of Main Switchgearfor each generator and arrangement of equaliser switches each generator is fitted with a linked switchand a max. release-Engines not running in paralleland the switch and fuse gear (or circuit breakers) for each outgoing circuit as fitted beforeAre compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 3ammeters 2 voltmeters 1 Ohmmeter synchronising devices. For compound machines in parallel are the ammeters and reverse currentprotection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided 1 Ohm-meter and control lights Preference Tripping, state if provided -, and tested -Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yesmake of fuses Hundt & Weber, are all fuses labelled yes If circuit breakers are provided for the generators, at whatoverload do they operate 520 Amperes, and at what current do the reverse current protectivedevices operate - Cables, are they insulated and protected as per Rule yesif otherwise than as per Rule are they of an Approved Type -, state maximum fall of pressure between bus bars and any pointunder maximum load - volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends yes

Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical

damage yes, are any cables laid under machines or floorplates yes, if so, are they adequately protected suitable pipes Statetype of cables (if in conduit this should also be stated) in machinery spaces M.K. cables, galleys M.K. cablesand laundries - State how the cables are supported or protected suitably clipped or carriedin covered cable traysAre all lead sheaths, armouring and conduits effectually bonded and earthed yes Are all cables passing through decks and watertightbulkheads provided with deck tubes or watertight glands yes, where unarmoured cables pass through beams, etc., are the holeseffectively bushed yes Refrigerated chambers, are the cables and fittings as per Rule -Have refrigeration fan motors been constructed under survey - and test certificates supplied -Are the motors accessible for maintenance at all times -

Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory yes

PARTICULARS OF GENERATORS.							PRIME MOVER.	
DESCRIPTION OF GENERATOR.	No. of	MAKER.	RATED AT				TYPE.	MAKER.
			Kw. per Generator.	Volts.	Ampères.	Revs. per Min.		
MAIN ...	2	Lloyd Dynamowerke Bremen.	50	115	435	600	GV53/50	Bohn & Kähler, Kiel
EMERGENCY ...								
ROTARY TRANSFORMER								

DESCRIPTION.	No. of	Kw.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return)	INSULATION.	PROTECTIVE COVERING.
			No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands. or sq. mm.	In the Circuit.	Rule.	m.		
MAIN GENERATOR	2	50	2	240	435	550 ✓	9.8	lead covered, braided	M.K. cables
" EQUALISER	-	-					13-		
"									
"									
"									
EMERGENCY GENERATOR	-	-							
ROTARY TRANSFORMER : MOTOR	-	-							
" " GENERATOR...	-	-							

[illegible][illegible]

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	馬力 H.P.								
Turning gear	1	10	1	70	108	125	15	Lead	cov.braided	MKcable
Fuel oil separators	4	2.2	1	50	26	99	43	"	"	"
Lug.oil separators	1	2	1	10	16	38	36	"	"	"
* Old separator	1	2.9	-	-	34	-	-	"	"	"
* Boiler fans	2	7.4	1	100	78	155	6	"	"	"
Aux. Fresh water	1	1.8	1	6	21.5	29	8	"	"	"
* Domestic fresh water	1	-	1	4	-	-	6	"	"	"

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Lloyd's Register
Foundation

The foregoing is a correct description.

Electrical Contractors.

Date 1.4.1953

COMPASSES.

Have the compasses been adjusted under working conditions.....yes

HOWALDSWERKE HAMBURG A.-G.

Builder's Signature.

Date.

Have the foregoing descriptions and schedules been verified and found correct.....yes

Is this installation a duplicate of a previous case no If so, state name of vessel -

Plans. Are approved plans forwarded herewith no If not, state date of approval 22.2.53

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith..... **yes**

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

and the Secretary's letters. The material and workmanship are good. On completion the equipment was tried under working conditions and found satisfactory. The equipment is, in my opinion, suitable for a classed vessel.

Equipment	Capacity	Power	Weight	Height	Length	Width	Volume	Material
* Domestic fresh water	1	-	1	-	-	-	-	6
4000 Gallons water	1	1.5	1	5	21.5	22	3	6
* Boiler fans	2	7.4	1	100	78	122	6	6
* Old separator	1	2.9	-	-	34	-	-	6
Two oil separators	1	2	1	20	26	36	26	6
Four oil separators	4	2.2	1	50	28	39	43	6
* Running heat	1	10	1	70	108	122	15	6

Total Capacity of Generators.....100.....Kilowatts.

The amount of Fee ... £ see Rpt. 9: (When applied for,

Travelling Expenses (if any) £

When received,

Committee's Minute.

Assigned.

Surveyor to Lloyd's Register of Shipping.