

Rpt. 13

No. c.01823

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 15.6.1962 When handed in at Local Office 19 Port of Vienna
 Received at London Office
 No. in Survey held at Budapest Date, First Survey 20/9/61 Last Survey 13/6 1962
 Reg. Book (No. of Visits 9)
 on the MV "ABO EGELA" Tons 119.50
 Gross 119.50
 Net
 Built at Budapest By whom built Gheorghiu Dej Shipyard Yard No. 1917 When built 1961/62
 Owners Ports and Lighthouses Admin. Port belonging to Alexandria
 Installation fitted by Gheorghiu Dej Shipyard, Electrical Department When fitted 1962
 Is vessel equipped for carrying Petroleum in bulk -- Is vessel equipped with D.F. -- E.S.D. -- Gy.C. -- Sub.Sig. -- Radar --
 Plans, have they been submitted and approved yes System of Distribution D.C. two-wire Voltage of Lighting 220
 Heating -- Power 220 D.C. or A.C. Lighting D.C. Power D.C. 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 fitted with a trip switch -- Generators, are they compound wound yes, and level compounded under working conditions yes
 Are the generators arranged to run in parallel yes Is the compound winding connected to the negative or positive pole negative
 Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing -- Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule yes Position of Generators Main Engine Room port side and starboard side, small set portside
 Is the ventilation in way of generators satisfactory yes are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil yes Switchboards, where are main switchboards placed Main Engine Room on starboard side, centre
 are 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 dead front type, if of synthetic insulating material is it an Approved Type --, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule -- Is the construction as per Rule, including locking of screws and nuts yes Description of Main Switchgear for each generator and arrangement of equaliser switches Three-pole circuit breaker with reverse current releases with clockworks type time-delay device as per Scheme No. 114857/B
 and the switch and fuse gear (or circuit breakers) for each outgoing circuit Two pole circuit breakers, two pole rotary packet switches with Fuses as per Scheme No. 114857/B
 Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 3 ammeters 6 voltmeters -- synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection yes Earth Testing, state means provided -- insulation meter Preference Tripping, state if provided --, and tested --
 Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes make of fuses Siemens Schuckert, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate FULL LOAD + 15 %, and at what current do the reverse current protective devices operate 10 % of the FULL LOAD Cables, are they insulated and protected as per Rule yes, if otherwise than as per Rule are they of an Approved Type --, state maximum fall of pressure between bus bars and any point under maximum load 2 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends --
 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 --, if so, are they adequately protected -- State type of cables (if in conduit this should also be stated) in machinery spaces lead alloy sheathed, galleys -- and laundries -- State how the cables are supported or protected The cables are fastened to their supports with galvanised clamps and screws, and protected as per Rules.
 Cables pass through conduit where liable to mechanical damage
 Are all lead sheaths, armouring and conduits effectually bonded and earthed yes Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands yes, where unarmoured cables pass through beams, etc., are the holes effectively bushed -- 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 --

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Foundation

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

ALL IMPORTANT MOTORS TO BE ENUMERATED		No.	KW B.H.P.						
FIRE PUMP	1	45	two	2d70	226	250	2x15	Rubber	Lead alloy sheathed
" "	2	45	"	2d70	226	250	2x14	"	" " "
CAPSTAN		16.5	one	50	86	99	2x12	"	" " "
ANCHOR WINDLASS		10.5	"	25	57	63	2x20	"	" " "
COMPRESSOR		8.8	"	25	48	63	2x9	"	" " "
COOLING WATERPUMP	1	8.8	"	25	48	63	2x12	"	" " "
" "	2	8.8	"	25	48	63	2x12	"	" " "
BALLAST PUMP		3.7	"	10	20.5	38	2x17	"	" " "
FUEL OIL PUMP		4.4	"	10	23.5	38	2x16	"	" " "
LUBRICATING OIL PUMP		4.4	"	10	23.5	38	2x15	"	" " "
ENGINE ROOM VENTILATOR		1.5	"	3x2.5	8.5	15.5	10	"	" " "
FRESH WATER PUMP	1	"	"	3x2.5	6.3	15.5	18	"	" " "
SEAWATER PUMP	1	"	"	3x2.5	6.3	15.5	14	"	" " "
HYDRAULIC STEERING PUMP	1	3.85	"	2x4	17.5	22.5	24	"	" " "
" " "	2	3.85	"	2x4	17.5	22.5	20	"	" " "
WORM GEAR PUMP FOR									
MAIN ENG. CONTROL		1.4	"	2x.25	8	15.5	14	"	" " "

NOTE.—Use Rpt. 13 Continuation Sheet if the above space is insufficient.

The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.

All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.

The foregoing is a correct description.

John Alfred

Electrical Contractors.

Date 12. 6. 62

COMPASSES

MAGYAR HAJÓ- ÉS DARUGYÁR

Angyalföldi Gyárasság

Have the compasses been adjusted under working conditions. yes

Károly Gábor

Műszaki ellenőrzési osztály

Builder's Signature.

Date 12. 6. 62

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

Is this installation a duplicate of a previous case. yes

If so, state name of vessel. Shahm, Batal el Salam (Yard Nos. 1915/6

Plans. Are approved plans forwarded herewith. --

If not, state date of approval. 14/11/60

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.)

The electrical equipment has been installed under special survey in accordance with the Society's Rules Requirements, approved plans and the Secretary's letters.

The materials and the workmanship are good.

On completion the installation was tested under full load working conditions and found satisfactory. The insulation resistances were tested and found to be in accordance with the Society's Rules.

In my opinion the electrical equipment and installations are suitable for a classed ship.

Total Capacity of Generators. 165 Kilowatts.

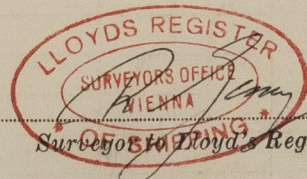
The amount of Fee ... £ : : When applied for,

19

When received,

19

Travelling Expenses (if any) £ : :



Surveyors to Lloyd's Register of Shipping

FRIDAY - 7 SEP 1962

Committee's Minute.

Assigned

See Rpt 1