

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.

Date of writing Report.....19.....

When handed in at Local Office.....

21/7/44

Port of NEWCASTLE-ON-TYNE.No. in Survey held at WALKER-ON-TYNE
Reg. Book.

Date, First Survey

(1944) 16/2/44

Last Survey

4th July 1944

(Number of Visits 9)

on the

M. V. "NEVERITA"

Tons

Gross 8265

Net 4781

Built at WALSSEND-ON-TYNE

By whom built

SWAN HUNTER & WIGHAM RICHARDSONYard No. 1684When built 1944Owners ANGLO SAXON PETROLEUM CO. LTD.Port belonging to LONDONElectrical Installation fitted by SWAN HUNTER AND WIGHAM RICHARDSON LTD.Contract No. 1684When fitted 1944Is vessel fitted for carrying Petroleum in bulk YESIs vessel equipped with D.F. YESE.S.D. YESGy.C. YESSub.Sig. —Have plans been submitted and approved YESSystem of Distribution TWO WIRE INSULATEDVoltage of supply for Lighting 110Heating —Power 110Direct or Alternating Current, Lighting D.C.Power D.C.If Alternating Current state periodicity —

Prime Movers,

has the governing been tested and found as per Rule when full load is suddenly thrown on and off YES

Are turbine emergency governors fitted with a

trip switch as per Rule —Generators, are they compound wound YESare they level compounded under working conditions YESif not compound wound state distance between generators — and from switchboard —

Where more than one generator is fitted are they

arranged to run in parallel NOare shunt field regulators provided YES

Is the compound winding connected to the negative or positive pole

NEGATIVEHave machines over 100 kw. been inspected by the Surveyors during manufacture and testing —

Have certificates of

test for machines under 100 kw. been supplied YESand the results found as per rule YES

Are the lubricating arrangements and the construction

of the generators as per rule YESPosition of Generators ENGINE ROOM STBD OF MAIN ENGINEis the ventilation in way of generators satisfactory YESare they clear of inflammable material YES

if situated

near unprotected combustible material state distance from same horizontally — and vertically —

are the generators protected from mechanical

injury and damage from water, steam and oil YESare the bedplates and frames earthed YES

and the prime movers and generators in metallic

contact YESSwitchboards, where are main switchboards placed ENGINE ROOM STBD AND OUTBOARD OF MAINENGINEAUX SWITCHBOARD MIDSHIPS IN OWN LOCKERare they in accessible positions, free from inflammable gases and acid fumes YES

are they protected from mechanical injury and damage from water, steam

and oil YESif situated near unprotected combustible material state distance from same horizontally — and vertically —

what insulation

material is used for the panels INTEROM.if of synthetic insulating material is it an Approved Type YES

if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule —Is the frame effectually earthed YESIs the construction as per Rule YESincluding accessibility of parts YESabsence of fuses on the back of the board YES

individual fuses

to pilot and earth lamps, voltmeters, etc. YESlocking of screws and nuts YESlabelling of apparatus and fuses YES

fuses on the "dead"

side of switches YESDescription of Main Switchgear for each generator and arrangement of equaliser switches DOUBLE POLE Q.B.SWITCHES AND DOUBLE POLE FUSES.——————————————————

| PARTICULARS OF GENERATING PLANT. | | | | | | | | |
|----------------------------------|--------|------------|--------|----------|-------------------|--------------|---|----------------------|
| DESCRIPTION OF GENERATOR. | No. of | RATED AT | | | | DRIVEN BY | WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE. | |
| | | Kilowatts. | Volts. | Ampères. | Revs. per Min. | | Fuel Used. | Flash Point of Fuel. |
| MAIN | 1 | 30 | 110 | 273 | 675 | STEAM ENGINE | | |
| | 1 | 30 | 110 | 273 | 675 | DIESEL | | |
| EMERGENCY ... | | | | | | | | |
| | | | | | | | | |
| ROTARY TRANSFORMER | | | | | | | | |

[illegible][illegible]

| MOTOR CABLES. | | | | | | | | | |
|---|-----|--------|---|-------|----|----|-----|----|-----------|
| ALL IMPORTANT MOTORS TO BE ENUMERATED. | No. | B.H.P. | | | | | | | |
| TURNING MOTOR | 1 | 7 1/2 | 1 | 7/064 | 60 | 75 | 195 | VC | L.C. & A. |
| LATHE | 1 | 3 | 1 | 7/036 | 24 | 28 | 60 | " | " |
| DRILL | 1 | 3 | 1 | 7/036 | 24 | 28 | 60 | " | " |
| GRINDER | 1 | 3 | 1 | 7/036 | 24 | 28 | 60 | " | " |
| OIL FUEL SERVICE PUMP | 1 | 1 | 1 | 7/036 | 8 | 28 | 150 | " | " |
| LUB OIL PURIFIER | 1 | 2 | 1 | 7/036 | 16 | 28 | 150 | " | " |
| THERMOTANK MOTOR AFT | 1 | 4 | 1 | 7/064 | 32 | 75 | 300 | " | " |
| " " MIDSHIPS | 1 | 4 | 1 | 7/052 | 32 | 57 | 195 | " | L.C. |

MAIN DISTRIBUTION CABLES.

AUX. SWITCHBOARDS AND SECTION BOARDS ...

LIGHTING AND HEATING, ETC., CABLES.

RELESS

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE
ENUMERATED.

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.

For

SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.

Electrical Engineers.

Date

12th July 1944.

COMPASSES.

Minimum distance between electric generators or motors and standard compass.....

Minimum distance between electric generators or motors and steering compass.....

The nearest cables to the compasses are as follows:—

A cable carrying $\frac{1}{4}$ Ampères ^{INSIDE} feet from standard compass feet from steering compass.

A cable carrying $\frac{1}{4}$ Ampères feet from standard compass ^{INSIDE} feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power YES.

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted YES.

The maximum deviation due to electric currents was found to be NIL degrees on EVERY course in the case of the

standard compass, and NIL degrees on EVERY course in the case of the steering compass.

SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.

Builder's Signature.

Date

12. 7. 44.

Is this installation a duplicate of a previous case YES. If so, state name of vessel M. V. "NACELLA"

Plans. Are approved plans forwarded herewith If not, state date of approval 12-4-43.

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

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.) The Electrical

Equipment of this Vessel has been installed in conformity with the Society's rules and Regulations, and the arrangements are in accordance with, or equivalent to those shown on the approved plans.

Materials used are of good quality, and the workmanship is satisfactory.

On completion, the insulation resistance of all circuits was good and the generator operated on normal working conditions with satisfactory results.

The equipment, as installed, is, in my opinion, suitable for a Classed Vessel.

Noted

Yours

17.8.44

Total Capacity of Generators 60 Kilowatts.

The amount of Fee ... £ 28 : 10 : { When applied for, 14 AUG 1944

Travelling Expenses (if any) £ : : { When received,19.....

Committee's Minute

18 AUG 1944

Assigned

See minute
on 18th Sept.

W. D. Diment
Surveyor to Lloyd's Register of Shipping.



© 2021

Lloyd's Register
Foundation