

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 29/6/56 19\_\_ When handed in at Local Office 19\_\_ Port of HULLNo. in Survey held at THORNE. Date, First Survey 7.3.56. Last Survey 13.6. 1956.  
Reg. Book. (No. of Visits FOUR)35663 on the M.V. "ESSO LEEDS" Tons {Gross. Net.Built at Thorne. By whom built Richard Dunston, Ltd. Yard No. 914 When built 1956.Owners Esso Petroleum Co. Ltd. Port belonging to Hull.Installation fitted by Richard Dunston, Ltd. When fitted 1956Is vessel equipped for carrying Petroleum in bulk Yes Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No Radar No.Plans, have they been submitted and approved Yes System of Distribution Two wire. Voltage of Lighting 110Heating 110 Power - D.C. or A.C., Lighting D.C. Power - 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 Yes,Are 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 Engine room starbd. side.is 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 Engine room starbd. side.

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 "SINDANYO", if of synthetic insulatingmaterial is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom asper Rule Yes Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgearfor each generator and arrangement of equaliser switches Double pole single throw quick break switches anddouble pole fuses.and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole, single throw quick breakswitches and double pole fuses.Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard twoammeters two voltmeters - 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 Lamps coupledto earth via switches & fuses. 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 Artic., are all fuses labelled Yes If circuit breakers are provided for the generators, at whatoverload do they operate -, and at what current do the reverse current protectivedevices operate - 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 pointunder maximum load 3 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 No, if so, are they adequately protected - Statetype of cables (if in conduit this should also be stated) in machinery spaces L.C.A. & B., galleys L.C.A. & B.and laundries - State how the cables are supported or protected All cables and wiring throughoutthe vessel L.C.A. & B. clipped to steel tray plates direct to steelwork and woodwork.Are 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 -

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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.

PER PRO. RICHARD DUNSTON, LTD.

Electrical Contractors.

Date 3-4-56.

#### COMPASSES.

Have the compasses been adjusted under working conditions.

PER PRO. RICHARD DUNSTON, LTD.

Builder's Signature.

Date 3-4-56

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. 27/11/55.

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 of this vessel was installed in accordance with the approved plans and the Rules.

The materials used are of good quality and the workmanship is good.

On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus was measured and found good.

This equipment is in my opinion suitable for a classed vessel.

Total Capacity of Generators 17.1 Kilowatts.

The amount of Fee ... £ 17 : - : When applied for,

30 JUL 1956

When received,

Travelling Expenses (if any) £ : 19 6 : 19

Surveyor to Lloyd's Register of Shipping.

FRIDAY - 7 SEP 1956

Committee's Minute

Assigned See Rpt. 4 C.



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