

No. 24864

7 AUG 1948

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report... 20 July 1948 When handed in at Local Office... 5.8.48 Port of Antwerp

No. in Survey held at ANTWERP. Date, First Survey 11th MARCH Last Survey 12th JULY 1908
Reg. Book. (Number of Visits.....)

00217 on the ~~X~~ Jacques Mada (ex. Humano) (Gross 1044)

Built at Hamburg By whom built Severus (Gustav) AG Yard No. 112 When built 1921

Owners Soc. Compañía Arrendatarios Port belonging to ANTWERP

Electrical Installation fitted by Messrs. Fabert Stevens & Co Contract No. — When fitted —

Is vessel fitted for carrying Petroleum in bulk..... Is vessel equipped with D.F..... E.S.D..... Gy.G..... Sub.Sig.....

Have plans been submitted and approved YES System of Distribution TWO WIRE Voltage of supply for Lighting 110V

Heating..... Power..... Direct or Alternating Current, Lighting Power..... 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 ~~yes~~, are they level compounded under working conditions ~~yes~~

if not compound wound state distance between generators _____ and from switchboard _____. Where more than one generator is fitted _____.

arranged to run in parallel....., are shunt field regulators provided..... Is the compound winding connected to the negative.....

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

Test for machines under 100 kw. been supplied..... and the results found as per rule.....

of the generators as per rule..... Position of Generators..... Are the lubricating arrangements and the construction

is the ventilation in way of generators satisfactory

are they clear of inflammable material yes, if situated near unprotected combustible material state distance from same horizontally.

..... are the generators protected from mechanical injury and damage from water, shock and vibration.....

Switchboards, where are main unit 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863

Switchboards, where are main switchboards placed, ~~where are modern superconducting~~ in ~~the~~

are then in accessible positions, for $l = 1, \dots, 7$.

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

On 12/22/2011, if situated near unprotected combustible material state distance from same horizontally 10 feet and vertically 10 feet, what insulation

Material is used for the panels.....FIBERITE....., if of synthetic insulating material is it an Approved Type.....X....., if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule..... Is the frame effectually earthed.....

the construction as per Rule ~~XXXX~~, including accessibility of parts ~~XXXX~~, absence of fuses on the back of the board ~~XXXX~~, individual fuses

pilot and earth lamps, voltmeters, etc. ~~/101~~ locking of screws and nuts ~~/102~~, labelling of apparatus and fuses ~~/103~~, fuses on the "dead"

Number of switches 4/5 Description of Main Switchgear for each generator and arrangement of equaliser switches DOUBLE POLE KNIFE EDGE

12-11-1964

and for each outgoing circuit. DOUBLE ROLL KNIFE EDGE

.....

re compartments containing switchboards composed of fire-resisting material or lined as per Rule..... Instruments on main switchboard

ameters 1 voltmeters 1 synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

Earth Testing, state means provided. AMPs

switches, Circuit Breakers and Fuses, are they as per Rule YES, are the fuses an approved type YES are all fuses 1, 2, 3

Rule YES. If circuit breakers are provided for the generators, at what overload current did they open when tested?

Protection devices connected on the pole opposite to the equaliser connection..... have they been tested under..... are the reversed current

they operate _____ Joint Boxes, Section Boards and Distribution Boards is the construction of _____

... is the construction and position as per Rule YES

the maximum fall of pressure between bus bars and any point under maximum load. 11.11

are inch and above provided with soldering sockets. Are paper insulated $\frac{1}{2}$ inch and above provided with soldering sockets. Are the ends of all cables having a sectional area of 0.04

2176 paper insulated and varnished cambric insulated cables sealed at the ends

002418-002426-0128 1/2

Lloyd's Register
Foundation

Are all ~~lead~~ sheaths, armouring and conduits effectively bonded and earthed. yes Refrigerated chambers, are the cables and fittings as per Rule —
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. yes and with what material. — Alternative Lighting, are
the groups of lights in the engine and boiler rooms arranged as per Rule. yes Emergency Supply, state location —
and method of control. —

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof yes. Are fittings installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present no, if so, how are they protected _____

are their fittings as per Rule..... Heating and Cooking, is the general construction as per Rule.....
are the frames effectually earthed....., are heaters in the accommodation of the convection type..... Motors, are all motors constructed and

motors coupled to oil fuel transfer and under pressure pumps capable of being stopped from a position accessible in the event of fire in the pump compartment. Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing. Have certificates of test for motors under

less than 150° F. Have all the special requirements of the Rules for such ships been complied with _____, are all fuses of the cartridge type _____ are they of an approved type _____ Are the fittings for pump rooms, tween deck spaces, etc., in accordance with the special requirements for such

Rule yes, are they suitably stored in dry situations. yes Insulation Tests, has the insulation resistance of all circuits and apparatus been tested

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	3.5	110	31	-	single cyl. & steam Eng.	-	-
EMERGENCY ...								
ROTARY TRANSFORMER								

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATED WITH.	HOW PROTECTED.
		No. in Parallel Per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR	2.5.	2.	7/064	31	46	10 ft.	with	A.C.B.
" " EQUALISEE								
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR								
" " GENERATOR								

DESCRIPTION.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATED WITH.	HOW PROTECTED.
	No. In Parallel For Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
AUX. SWITCHBOARDS AND SECTION BOARDS	2	7/029	15 A.		50 ft.	uth.	Lead covered.
Wiring for		5-8	18		Approx. 100 ft.		
Anti-Jump.				3rd strand			100' Voly w B
Wiring for Jacques Radio (ex. Hange)							100'
Hanger.							612
Sig. Broadcasting Station Apparatus				Antenna (Hange) 100'			1021
HT Lines, Power Line					75 ft		81
							100

[illegible]

45843.

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.

84 2.8. Electrical Engineers. Date

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 60 Ampères 6 ft feet from standard compass 6 ft feet from steering compass.

A cable carrying 10 Ampères 2 ft feet from standard compass 2 ft 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

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

The maximum deviation due to electric currents was found to be degrees on course in the case of the standard compass, and degrees on course in the case of the steering compass.

Builder's Signature. Date

Is this installation a duplicate of a previous case. If so, state name of vessel

Plans. Are approved plans forwarded herewith. If not, state date of approval. 26/4/48.

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

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

This installation was examined & tested on completion & found in accordance with the Rules.

Noted. 9/9/48

Total Capacity of Generators 3.5 Kilowatts.

The amount of Fee ... : When applied for, ... 19 ...
Travelling Expenses (if any) £ : : When received, ... 19 ...

Surveyor to Lloyd's Register of Shipping.

Committee's Minute 24 SEP 1948

Assigned. See FE mch. rpt.

5m. 4.30.—Transfer. (MADE AND PRINTED IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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