

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

16 JUL 1928

Date of writing Report 13.4.28 When handed in at Local Office 13.7.28 Port of MIDDLESBROUGH
 No. in Survey held at SOUTH BANK ON TEES Date, First Survey 3rd Jan 1928 Last Survey 13.7.1928
 Reg. Book. on the "STONEPOOL" (Number of Vessels 41) Gross 4802 Tons Net 2976
 Built at SOUTH BANK By whom built Smiths Dock Co Ltd Yard No. 842 When built 1928
 Engines made at do. By whom made Smiths Dock Co Ltd Engine No. 310 when made 1928
 Boilers made at Hartlepool By whom made Richardson, Westgate & Co. Boiler No. D. 175 when made 1928
 Registered Horse Power 506.6 Owners Pool Shipping Co. Port belonging to West Hartlepool
 Nom. Horse Power as per Rule 507 Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes.
 Trade for which Vessel is intended

ENGINES, &c.—Description of Engines Triple Expansion Revs. per minute 62
 Dia. of Cylinders 26" 43" 71" Length of Stroke 48" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals 13.53" as per Rule 14" Crank pin dia. 14" Crank webs 22 1/2" Mid. length breadth 8 1/2" Thickness parallel to axis 8 1/2"
 Intermediate Shafts, diameter 12.89" as per Rule 13 1/2" Thrust shaft, diameter at collars 13.53" as per Rule 14" as fitted 14"
 Tube Shafts, diameter 14.39" as per Rule 15" as fitted 15" Is the tube shaft fitted with a continuous liner Yes
 Screw Shaft, diameter 14.39" as per Rule 15" as fitted 15"
 Bronze Liners, thickness in way of bushes 13/16" as per Rule 13/16" Thickness between bushes 9/16" as per Rule 9/16" Is the after end of the liner made watertight in the propeller boss Yes
 If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Yes
 If two liners are fitted, is the shaft lapped or protected between the liners Yes Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft Yes
 Propeller, dia. 18'-0" Pitch 17'-9" No. of Blades 4 Material Bronze whether Moveable Yes Total Developed Surface 104 sq. feet
 Feed Pumps worked from the Main Engines, No. none Diameter 4 1/2" Stroke 28" Can one be overhauled while the other is at work Yes
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 4 1/2" Stroke 28" Can one be overhauled while the other is at work Yes
 Feed Pumps { No. and size 2-9 1/2" x 7" x 18" C.M.E.W. Pumps connected to the { No. and size 1-9 1/2" x 10 1/2" x 10" Duplex; 1-7 1/2" x 5" x 6" G.S. Duplex.
 How driven Steam Main Bilge Line { How driven Steam Steam
 Ballast Pumps, No. and size 1-9 1/2" x 10 1/2" x 10" Lubricating Oil Pumps, including Spare Pump, No. and size 1-6"
 Are two independent means arranged for circulating water through the Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room 3-3" and 1-2 1/2" to Tunnel well.
 In Holds, &c. No. 1: 2-3"; No. 2: 2-3 1/2"; No. 3: 2-2 3/4"; No. 4: 1-3 1/4"

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1-6" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1-5"
 Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes
 Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges Yes
 Are all Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks both
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Overboard Discharges above or below the deep water line above
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes
 What Pipes pass through the bunkers Forward Bilge Suctions How are they protected wood ceiling
 What pipes pass through the deep tanks Yes Have they been tested as per Rule Yes
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
 Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one compartment to another Yes Is the Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from E.R. Steering Engine
 Flat.

MAIN BOILERS, &c.—(Letter for record S.) Total Heating Surface of Boilers 7651 sq. ft.
 Is Forced Draft fitted Yes No. and Description of Boilers 3 S.B. Working Pressure 180 lbs.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes
 IS A DONKEY BOILER FITTED? No. If so, is a report now forwarded? Yes
 PLANS. Are approved plans forwarded herewith for Shafting 14.10.27 Main Boilers Yes Auxiliary Boilers Yes Donkey Boilers Yes
 (If not state date of approval) Superheaters Yes General Pumping Arrangements 1.11.27 Oil fuel Burning Piping Arrangements Yes

SPARE GEAR. State the articles supplied:— As per Rules + 1 tail shaft; 2 C.I. Propeller Blades; 1 set Air Pump valves; 1/2 set Circulating Pump Valves; 2 main check valves; 2 donkey check valves; quantity boiler tubes, condenser tubes, ferrules, fuelbars, bridge plates, baffles, gauge glass & packings.

The foregoing is a correct description,
 FOR SMITH'S DOCK COMPANY, LTD

Engine & Ship Manager

Manufacturer.



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Lloyd's Register
 Foundation

W125-0105

1928
 During progress of work in shops - - Jan 3. 25. Mar 19. 20. 22. Apr 4. 16. 17. 23. May 1. 5. 9. 10. 11. 15. 17. 18. 19. 20. 23. 30.
 Jun 4. 5. 6. 7. 8. 11. 13. 14. 18. 19. 21. 22. 26. 28. Jul 3. 4. 5. 9. 10. 13.
 Dates of Survey while building During erection on board vessel - -
 Total No. of visits 41.

Dates of Examination of principal parts - Cylinders 9. 5. 28. Slides 9. 5. 28. Covers 5. 6. 28.
 Pistons 9. 5. 28. Piston Rods 23. 5. 28. Connecting rods 9. 5. 28.
 Crank shaft 20. 3. 28. Thrust shaft 20. 3. 28. Intermediate shafts 5. 6. 28.
 Tube shaft ✓ Screw shaft 5. 6. 28. Propeller 5. 6. 28.
 Stern tube 19. 5. 28. Engine and boiler seatings 23. 5. 28. Engines holding down bolts 5. 7. 28.
 Completion of fitting sea connections 23. 5. 28.
 Completion of pumping arrangements 9. 7. 28. Boilers fixed 5. 7. 28. Engines tried under steam 13. 4. 28.
 Main boiler safety valves adjusted 10. 7. 28. Thickness of adjusting washers Port 7 1/8". Centre 9 1/8". Star 7 1/8".
 Crank shaft material Steel Identification Mark LLOYDS No 9005 Thrust shaft material Steel Identification Mark LLOYDS No 9005
 Intermediate shafts material Steel Identification Marks LLOYDS Nos 9081 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000
 Screw shaft, material Steel Identification Mark LLOYDS No 8648.D Steam Pipes, material Steel Identification Mark LLOYDS No 8648.D
 Is an installation fitted for burning oil fuel No. Is the flash point of the oil to be used over 150°F. ✓
 Have the requirements of the Rules for carrying and burning oil fuel been complied with ✓
 Is this machinery duplicate of a previous case No. If so, state name of vessel ✓
 General Remarks (State quality of workmanship, opinions as to class, &c.)

The materials and workmanship are good.
 This machinery has been built under special survey in accordance with the Rules and Approved Plan, securely fitted aboard and tested under working conditions with satisfactory results and is, in my opinion, eligible for class with record + L.M.C. 7. 28.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 7. 28 Cl. F.D.

J.S.A.
 18/7/28
 J.R.R.

The amount of Entry Fee ... £ 6.0.0. When applied for, 14. 4. 1928
 Special ... £ 100.6.0.
 Donkey Boiler Fee ... £ : : When received, 18. 8. 28
 Travelling Expenses (if any) £ : :
 (Indb £ 60. 4. 0)
 (Apl £ 40. 2. 0)

Committee's Minute

Assigned

+ L.M.C. 7. 28
 Cl. F.D.

M. Ma.

Engineer Surveyor to Lloyd's Register of Shipping.



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