

Report of Survey for Repairs, &c., of Engines and Boilers.

No. 87999

(Received at London Office 26 JAN 1932)

Report made at 13/11/32 Port of NEWCASTLE-ON-TYNE

Survey held at John Shields Date, First Survey 10 Aug Last Survey 7 Jan 1932
 in the Machinery of the Wood, Iron or Steel T.M.S. "WELLFIELD" (No. of visits 40)

Vessel built at Newcastle By whom Thos J. J. B. Colclough When 1924.3
 Engines made at - do - By whom H. E. Mar. Eng Colclough When 1924.

Boilers, when made (Main) - do - (Donkey) 1924.
 Owners Field Tank S. S. Colclough Owners' Address Bath.
 Managers Huntingdon L. Port Newcastle Voyage Sail up.

If Surveyed Afloat or in Dry Dock Bath. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Port Donkey Damage, T. Safe MC & D.B.S.

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. For Special Survey. Date of last Survey and of Periodical Surveys. Machinery and Boiler Surveys (including date of N.B., if any).

Yes No
 +100A.1.9.30 +LMC 9.28
 1.1 Nwc. N°1.28. +LMC(m) 12.30
 DBS. 9.30
 T.S. 5.29 cl.

Where the Surveyor has not made a special damage report he is required to state whether he services for this purpose, and why they were declined? yes, not required.

Report made by anyone else? If so, by whom? Messrs. Henry Jones & Co.

Personally go inside each Main Boiler separately and make a thorough examination at this time? Yes.

Do not state for what reasons? Yes.

the Boilers could not be thus thoroughly examined? Yes.

Means, in the absence of internal examination, were adopted by the Surveyor to test the efficiency of those parts of each Boiler? Yes.

Examine the Safety Valves of the Main Boiler? Yes. To what pressure were they afterwards adjusted under steam? 120 lbs/sq. in.

Examine the Safety Valves of Donkey Boiler? Yes. To what pressure were they afterwards adjusted under steam? Yes.

Examine all the manholes, doors and their fastenings of the Main Boilers? Yes. , and of the Donkey Boilers? Yes.

Examine the drain plugs of the Main Boilers? Yes. , and of the Donkey Boiler? Yes.

Examine all the mountings of the Main Boilers? Yes. , and of the Donkey Boiler? Yes.

When drawn and examined? Yes. Is it fitted with continuous liner? Yes. Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes.

When changed? No. If so, state reasons Yes.

Fitted been previously used? Yes. Has it a continuous liner? Yes. Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes.

Between lignum vite or bearing metal of stern bush and top of after bearing of screw shaft Working fit (Bushes rewooded).

Complete, state what arrangements have been made for its completion and what remains to be done Complete.

Vessel placed in dry dock for examination after damage to have been sustained by grounding in the Black Sea 25th Dec. 1931. See Istanbul Rpt. 3382.

Shafts drawn & examined in lathe. Shafts shown in length of liners, & other bushes rewooded. Two new sets fitted. Intermediate shafting examined in lathe.

Examination also made of auxiliary Compressors, lubricating pumps, ballast & general service pumps, oil transfer pump auxiliary pumps. See Connections & outside fastenings.

Sliding air reservoirs examined internally also.

Observations, Opinion, and Recommendation:—The machinery of this vessel is in good & safe working condition & eligible in our opinion to be classed as above records. Spill shafts seen. 1-32 & 1-32. the vessel's name may be removed from the S.R. to D.B.S. 1-32.

Fee applied for 24/10/32 - 12/1/32 34/10/32 - 25/1/32

Received by me, William Dutton 24/10/32 13/1/32

Minute TUE. 9 FEB 1932

L.M.C. 1-32; D.B.S. 1-32

S. 1-32 without opt. condn.

CERTIFICATE WRITTEN 26.8.32

Report Character of Ship and Machinery precisely as in the Register Book.

OIL CONTINUOUS

Is a Certificate required? If so, to be sent to

Engineer Surveyor to Lloyd's Register of Shipping.

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(113) W134-0140

M. S. WELLFIELD

mountings of same.
Examination made of steering engine & windlass.

Both donkey boilers examined internally & externally with
mountings, doors & fastenings.
Mountings overhauled & safety valves adjusted under
steam as above noted.

M. S.

NEWCASTLE-ON-TYNE Continuation of Report No. 87999 dated 7/1/32 on the

M. S. Wellfield

was lifted out of keel & placed in the N.E. M&Cys (works)
engines completely dismantled & all parts thoroughly
cleaned for examination.
Guides taken from beam cleaned & examined &
found satisfactory.
Inlet & outlet valves fuel & air starting valves cleaned
& hydraulically tested.
Shafts & cams with levers & gear disconnected cleaned
& overhauled. Main crossheads guide shoes & shippers examined.
Inj. starting gear disconnected & overhauled.
Fuel pipes & connections cleaned & overhauled.
Piston rods connecting rods top & bottom
bearings. Crank shafts, thrust shafts & shoes &
bearings cleaned & examined.
Pumps & gear disconnected & overhauled.
Air receivers & control air & fuel bottles cleaned
& tested. All air pressure pipes cleaned & tested.
Cooling water telescope pipes & connections & engine
water pipes & connections & all lubricating oil
& connections with tanks cleaned & examined.
Overhauled. Bilge, ballast & oil fuel pipes & connections cleaned & exd.
Engines & gear examined & overhauled.
Compressors opened up cleaned & examined &
tested. All pipes, valves etc for same overhauled & tested.
Bilge & cooling water pumps cleaned & examined.
Crank shafts skinned up in lathe
with of Port & Starboard reversing engines ground up in lathe
shafts overhauled & new keys fitted.
Rollers & pins fitted to fuel valve levers.
Inlet & exhaust cams softened reground & recarbonized.
Exhaust levers straightened in forge & refitted.
One exhaust valve housings with guide pieces
& valve lids renewed.
Valve bodies renewed also 12 flame plates, 6 needle
& 15 atomizers for same.
Inj. air valve bodies & 50 G.M. ram bottom rings renewed.
All packing renewed in fuel valves.
Compressor cylinders rebored & HP pistons renewed.
IP piston rods skinned up in lathe and new
IP & piston rings fitted.
IP pistons renewed.
Main crosshead pins skinned up in lathe
& pins remounted.

William Bates

M. V. Wellfield.

overhauled 3 upper grooves in each piston skimmed
in lathe & new rings fitted including 12 spare.
cooling water pipes cleaned, glands repacked
port outlet pipe renewed No 5th telescope jet
renewed.

oil settling & service tanks & lubricating oil
No cleaned & examined (see ship report)
all shafts rebedded, port engine bedplate centre
freed up & living centre coupling in line, new
coupling bolts fitted in this coupling. Thrust shafts
up to crank shafts, coupling bolts of
the engine renewed.

valves refitted in beam & beam water tested.
main gear & reversing gear reassembled.
all rebuilt & all gear & exhaust pipes replaced.
all fitted in ship & fired up true.
working down bolts & chocks fitted.
all gear cleaned & overhauled new parts supplied
required.

Taken on 12 hours trial in the North Sea
machinery worked satisfactory.

repairs. —

rig & fitting cast iron columns of the A type & stand
on main bearing (16 in all) including all modification

all weights fitted on main engine crank shaft as per
plan.

engine cooling water & bilge pump body renewed with
new bolts renewed on account of grooving in fillets
flange.

in corner chocks fitted to bedplates.

William Butts.



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