

Put With Preliminary Report

LLOYD'S REGISTER,
LONDON.

RECD 14 NOV 1917
ANS'D

NO. 398 SHIP, "WAR LION."

LIGHT DISPLACEMENT.

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KAWASAKI DOCKYARD CO., LTD.,

KOBE, JAPAN.

LLOYD'S REGISTER
16-a Harima-machi,
KOBE.

N.D.



given as

Water Capacity

Tons.
126
93



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Lloyd's Register
Foundation
44
FD257-0110

No. 398 Ship, "War Lion."

LIGHT DISPLACEMENT.

1. Draught and Displacement at 10.30 A.M., September 11th, 1917:-

Temperature of sea water 78° F.

Specific gravity of sea water by Baume's hydrometer 1.0183

Weight of sea water per cub.ft. $62.373 \times 1.0183 = 63.514$ lbs.

where 62.373 is the weight of 1 cub.ft. of fresh water
at 59° F. (water with unit specific gravity) in lbs.

Draught :- Forward 9'-0 $\frac{1}{2}$ "
Aft 12'-9 $\frac{1}{2}$ "
Mean 10'-11"

Trim by the stern 3'-8 $\frac{1}{2}$ " = 3.71 ft.

Change of displacement by 1' trim(35 cub.ft. per ton) 4.80 tons.

Displacement at 10'-11" draught, even keel(35 cub.ft. per ton)

4,479.00 tons.

Correction for the trim $- 3.71 \times 4.80 = - 17.81$ "

Displacement corrected for the trim(35 cub.ft. per ton)

4,461.19 "

Displacement corrected both for the trim and the density of sea water

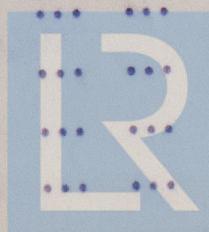
$4,461.19 \times \frac{63.514}{64.000} = 4,427.31$ tons.

2. Weight to come out of ship:-

<u>Item.</u>		<u>Respective Wt. in Tons.</u>	<u>Cross Wt. in Tons.</u>
No.1 Ballast tank	S.W.	3'-8"	133.40
No.2 " "	"	Full.	437.09
Feed water tank, P	F.W.	"	88.86
" " " S	"	"	88.86
No.3 Ballast tank	S.W.	"	236.29
No.4 " "	"	"	105.97
Fore peak tank	S.W.	20'-1"	80.20
After " "	F.W.	20'-6"	84.00
Fresh water "	Empty		0
Sanitary tank	"		0

Water in tanks, Total 1,254.67
Bilge water 50.69
Water in boilers 61.40
Coal in side bunkers 6.00

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50.69

61.40

6.00

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Men on board	12.65
Weight of gun support, magazine, &c.	12.68
Stage planks	26.20
Wire ropes and clips for suspending stage planks	0.43
Angle bar brackets	1.53
Temporary wood ladders	1.06
Side ladder	0.58
Landing stage	0.41
Trestles	0.39
Planks and logs	1.58
Iron pipes and hoses	0.78
Steel scraps, bolts and nuts	0.85
Dust	1.93
Ash	1.00
Coal and coke	0.17
Drink water boiler	0.22
Workmen's tools	1.40
Rivet heaters and blowers	0.43
Temporary boiler with water	10.00
Feed water tank with water	8.30
Drink water tank with water	3.27
Temporary offices	0.98
* stores	1.10
* W.C.	0.27
Miscellaneous	2.51
Workmen's tools for Engine Department	3.00
Weight of temporary shipment, Total	<u>68.38</u>
Weight to come out of ship, Total	1,446.47



Weight to go on board after the date:-

<u>Item.</u>	<u>Respective Wt. in Tons.</u>	<u>Cross Wt. in Tons.</u>
Accommodation ladder and accessories	0.71	
30 ton derrick boom 	3.63	
Cargo falls, blocks, &c. 	2.46	
Awnings, canvas covers &c. 	0.71	
Boats, boat fittings, blocks, falls, &c.	5.34	
Fittings in cabins and crew spaces ...	2.54	
Painting 	2.00	
Cementing 	12.90	
Wire and manila ropes 	3.61	
Stores 	2.50	
Miscellaneous 	3.50	
i/ Remaining works of Hull Department, Total		38.90
" " Engine " , "		4.00
" " Electrical " , "		<u>1.43</u>
Weight to go on board after the date, Total		44.33

Light Displacement and Draught:-

Displacement on September 11th, 1917 corrected both for the trim and
the density of sea water 4,487.31 tons.

Weight to come out of ship 1,446.47 "

Weight to go on board after ^{the} date 44.33 "

Equipped weight 3,025.17 tons.

Boiler water 61.40 "

Light displacement 3,086.57 "

Corresponding displacement 7'-9¹ "

LLOYD'S REGISTER
16-a Hamma-machi,
KOB

