

Back With P<sup>th</sup> Entry Report

LLOYD'S REGISTER,  
LONDON.

RECD 14 NOV 1917

ANS<sup>d</sup>

NO. 398 SHIP, "WAR LION."

LIGHT DISPLACEMENT.

-----:0:-----

KAWASAKI DOCKYARD CO., LTD.,

KOBE, JAPAN.

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

*A.D.*



© 2020

Lloyd's Register  
Foundation

1257-0110 1/4



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:-

Item.		Respective Wt. in Tons.	Gross Wt. in Tons.
No.1 Ballast tank	S.W. 3'-2"	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

W 1257-0110 2/4



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	...	...	...	...	...	1.52	
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>Gross Wt. in Tons.</u>
Accommodation ladder and accessories	0.71	
30 ton derrick boom ... ..	2.63	
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	
1/ Remaning works of Hull Department, Total		38.90
" " " Engine " , "		4.00
" " " Electrical " , "		1.43
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 ... ..	4,427.31 tons.
Weight to come out of ship ... ..	1,448.47 "
Weight to go on board after <sup>the</sup> date ... ..	44.33 "
Equipped weight ... ..	3,025.17 tons.
Boiler water ... ..	61.40 "
Light displacement ... ..	3,086.57 "
Corresponding displacement ... ..	7'-3 $\frac{1}{2}$ ".

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

A.L.J.



© 2020

Lloyd's Register  
W1257-0110 4/4  
Foundation