

# R.A.S.C. "OXNA"

For repl No. 7864.

## METACENTRIC DIAGRAM.

DEVONPORT.  
M.C.D. A. 25614.  
3-3-48



MEAN DRAUGHT. BETWEEN PERPS.	DISPLACE. TONS.	T.P.I.
12'-0"	865	8.45
11'-0"	764	8.25
10'-0"	665	8.00
9'-0"	568	7.68
8'-0"	480	7.30
7'-0"	396	6.88
6'-0"	315	6.42
5'-0"	240	5.93



### CONDITION 'A'

DISPLACEMENT 500 TONS.  
MEAN DRAUGHT BETWEEN PERPS. 8'-3.6"  
DRAUGHT AT FORWARD MARKS. 3'-11.5"  
DRAUGHT AT AFTER MARKS. 11'-3"  
G.M. 1.6'

VESSEL IN LIGHT CONDITION :- NO COAL, WATER, CARGO, STORES OR CREW ON BOARD, BOILER FULL, CONDENSER FULL, BOATS ON BOARD, VESSEL OTHERWISE COMPLETE.

### CONDITION 'B'

DISPLACEMENT 675 TONS.  
MEAN DRAUGHT BETWEEN PERPS. 10'-2"  
DRAUGHT AT FORWARD MARKS. 7'-8"  
DRAUGHT AT AFTER MARKS. 12'-0"  
G.M. SOLID. 1.93'  
G.M. WITH FREE SURFACE. 1.75'

VESSEL IN FOLLOWING CONDITION :- COAL, WATER, STORES, CREW 15 MEN, PASSENGERS 51 MEN ON BOARD, BOILER FULL, CONDENSER FULL, BOATS ON BOARD, 10 TONS OF DECK CARGO, HOLD EMPTY.

### CONDITION 'C'

DISPLACEMENT 665 TONS.  
MEAN DRAUGHT BETWEEN PERPS. 10'-0.6"  
DRAUGHT AT FORWARD MARKS. 7'-4.2"  
DRAUGHT AT AFTER MARKS. 11'-1.4"  
G.M. SOLID. 2.09'  
G.M. WITH FREE SURFACE. 1.9'

VESSEL IN FOLLOWING CONDITION :- COAL, WATER, STORES, CREW 15 MEN, PASSENGERS 51 MEN ON BOARD, BOILER FULL, CONDENSER FULL, BOATS ON BOARD, NO CARGO ON DECK OR IN HOLD.

### CONDITION 'D'

DISPLACEMENT 735 TONS.  
MEAN DRAUGHT BETWEEN PERPS. 10'-10.7"  
DRAUGHT AT FORWARD MARKS. 9'-2.7"  
DRAUGHT AT AFTER MARKS. 12'-0.2"  
G.M. SOLID 2.67'  
G.M. WITH FREE SURFACE. 2.5'

VESSEL IN DEEP CONDITION :- COAL, WATER, STORES, CREW 15 MEN, PASSENGERS 51 MEN ON BOARD, BOILER FULL, CONDENSER FULL, BOATS ON BOARD, 70 TONS OF CARGO IN HOLD.