

M.V. MINISUCH ASSIGNMENT FOUR [Stability information link](#)

Using the linked stability information, calculate the new KG of loading conditions A to D.

CONDITION A **FULL DB TANKS** DISPLACEMENT TABLE

Item MV MINISUCH	Tonnes	V.C.G.	Vert. Moment	L.C.G. +/-	Long. Moment	F.S.N.
Deadweight						
Lightship	4250	8M	34000	0M	0M	
Displacement						

New K.G.	
F.S.N.	
Kgf	

CONDITION B FULL DB TANKS + FULL HOLD DISPLACEMENT TABLE

Item MV MINISUCH	Tonnes	V.C.G.	Vert. Moment	L.C.G. +/-	Long. Moment	F.S.N.
Deadweight						
Lightship	4250	8M	34000	0M	0M	
Displacement						

New K.G.	
F.S.N.	
Kgf	

CONDITION C 100% FLOODED FOREPEAK DISPLACEMENT TABLE

Item	MV MINISUCH	Tonnes	V.C.G.	Vert. Moment	L.C.G. +/-	Long. Moment	F.S.N.
Deadweight							
Lightship		4250	8M	34000	0M	0M	
Displacement							

New K.G.	
F.S.N.	
Kgf	

CONDITION D 50 % FLOODED ER DISPLACEMENT TABLE

Item MV MINISUCH	Tonnes	V.C.G.	Vert. Moment	L.C.G. +/-	Long. Moment	F.S.N.
Use FSN of 212.5 per tank when E.R. Tanks 50% Flooded						
Deadweight						
Lightship	4250	8M	34000	0M	0M	
Displacement						

New K.G.	
F.S.N.	
Kgf	
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