

**MV STABLE** (Ranger Hope © 2006)**HYDROSTATIC DETAILS**

LOA 62Mtr    LBP 55Mtr    Breadth 17.25Mtr    Moulded Beam 16.5Mtr  
 Lightship Draft 4.5Mtr                      Moulded Depth of Hold 11.8Mtr  
 KB 1.9Mtr                      KG 6.5Mtr                      GM 4.5Mtr                      LCG 0Mtr

**ASSIGNMENT ONE-** Complete the loading condition table below.

**TANKS & CAPACITIES**

Space	Tonnes	V.C.G.	Vert. Moment	L.C.G. +/-	Long. Moment	FSN
FWD ballast P&S	400	7.8		+29		
FWD DB f.water. P&S	300	3.1		+22		
FWD DB fuel P&S	550	3.1		+11		
MID DB. f.w. P&S	300	3.1		0		
ER DB fuel P&S	550	3.1		-11		
AFT DB ballast	300	3.1		-22		
FWD tank P&S	350	8.8		+22		
Hold	1400	8.8		+11		
MID tank P&S	350	8.8		0		
Engine room flooded	1400	8.8		-11		
AFT tank P&S	350	8.8		-22		
Deadwight						
Lightship	4200T	6.5M		0M		
Load Displacement						
<b>CHECK YOUR CALCULATIONS OF TANKS &amp; CAPACITIES</b>						