

Northland Sheet 81E Problems

NOR 1: The tankship Northland is loaded as shown. Use the salmon-colored pages in the Stability book to determine the hogging numeral.

- A. 98.23 numeral
- B. 95.70 numeral**
- C. 84.46 numeral
- D. 81.37 numeral

Fore peak	
Deep tanks p/s	
Fwd stores	
Fwd bunkers	2867
Fwd cofferdam	
Nr 1 cargo tank	3596
Nr 2 cargo tank	3996
Nr 3 cargo tank	4128
Nr 4 cargo tank	4146
Bridge crew	
Bridge stores	
Bridge FW	
Nr 5 cargo tank	
Nr 6 ballast tank	
Nr 7 cargo/ballast	1821
Nr 8 cargo/ballast	2328
Nr 9 cargo/ballast	2303
Nr 10 cargo tank	4042
Nr 11 cargo tank	3798
Aft cofferdam	
Aft bunkers	850
Aft settlers	340
Distilled water	60
Aft stores	80
Aft crew	7
FW aft	70
Aft peak	

NOR 2: The tankship Northland is loaded as shown. Use the salmon-colored pages in the Stability book to determine the hogging numeral.

- A. 86.72 numeral
- B. 89.98 numeral
- C. 91.40 numeral**
- D. 93.18 numeral

Fore peak	
Deep tanks p/s	
Fwd stores	6
Fwd bunkers	1600
Fwd cofferdam	
Nr 1 cargo tank	5229
Nr 2 cargo tank	5193
Nr 3 cargo tank	4229
Nr 4 cargo tank	5116
Bridge crew	3
Bridge stores	12
Bridge FW	15
Nr 5 cargo tank	2956
Nr 6 ballast tank	1628
Nr 7 cargo/ballast	
Nr 8 cargo/ballast	
Nr 9 cargo/ballast	6012
Nr 10 cargo tank	5417
Nr 11 cargo tank	3257
Aft cofferdam	
Aft bunkers	900
Aft settlers	325
Distilled water	56
Aft stores	75
Aft crew	7
FW aft	57
Aft peak	375

NOR 3: The tankship Northland is loaded as shown. Use the salmon-colored pages in the Stability book to determine the hogging numeral.

- A. **49.73 numeral**
- B. 52.76 numeral
- C. 55.29 numeral
- D. 57.93 numeral

Fore peak	
Deep tanks p/s	
Fwd stores	6
Fwd bunkers	1600
Fwd cofferdam	
Nr 1 cargo tank	5229
Nr 2 cargo tank	5193
Nr 3 cargo tank	4229
Nr 4 cargo tank	5116
Bridge crew	3
Bridge stores	12
Bridge FW	15
Nr 5 cargo tank	3956
Nr 6 ballast tank	1628
Nr 7 cargo/ballast	5929
Nr 8 cargo/ballast	6012
Nr 9 cargo/ballast	
Nr 10 cargo tank	5417
Nr 11 cargo tank	3257
Aft cofferdam	
Aft bunkers	900
Aft settlers	325
Distilled water	56
Aft stores	75
Aft crew	7
FW aft	57
Aft peak	375