BEN NEVIS

DP2 Diesel Electric Platform Support Vessel

LIQUID & SPECIAL PRODUCTS TRANSPORT CAPACITY | DECK TRANSPORT CAPACITY | ACCOMMODATION CAPACITY | LOW EMISSIONS









REGISTRATION

Vessel Name	**BEN NEVIS**	Builder	**Havyard Ship Technology AS, Norway**
Type	**PSV**	Year	**2013**
Owner	**BOURBON**	Flag	**SVG**
Class	**ABS A1, OSV (FFV1, Supply-HNLS), AMS, ACCU, DPS-2.**		

Contact: Dist_OneBourbon_Commercial@bourbon-online.com

Specifications are provided for information purposes only, are non-contractual, and may be subject to change without prior notice.

TECHNICAL SPECIFICATIONS /1

BEN NEVIS





MAIN PARTICULARS

DIMENSIONS

Length overall **79,80 m**	Draft, summer **6.50 m**
Breadth moulded **17.60 m**	Air Draft **26.9 m**
Depth, moulded **7.70 m**	GT/NT **2793 / 1209**
DWT at assigned draft **4000 Tons approx**	Lightship weight **2224.927 @ 2.986m draft**

CAPACITIES

Deck Cargo	**2100 tons**
Clear Deck Space	**(55.6m Lx14.4m B) 800 m2**
Deck Strength	**5 tons/ m2**
Fuel Oil	**1087 m3**
Drill Water / Ballast: approx.	**1973 m3**
Potable Water: approx.	**870 m3**
Dry Bulk	**297 m3**
Mud / Brine	**955m3**
Base Oil (Comb. With FO)	**314 m3**

DELIVERY RATES

Fuel oil **1 x 200 m3/hr x 9 Bar, 2-speed**	Brine Pump **1 x 75 m3/hr at 18 Bar, 2-speed**
Drill / Ballast Water **2 x 200 m3/hr x 9 Bar, 2-speed**	Potable Water **2 x 200 m3/hr x 9 Bar, 2-speed**
Liquid Mud **2 x 75 m3/hr x 18 Bar, Freq.controlled variable speed**	Base Oil Pump **1 x 200 m3/hr at 9 Bar, 2-speed**
Bulk **2 x 25 m3/min each at 5.6 Bar**	

ACCOMMODATIONS

4man passenger cabin **1 (main deck)**	Double cabins **4 (A-deck)**
Single Berth Cabins **6 (C-deck)**	4 passenger cabins **2 (A-deck)**
Hospital & Gymnasium **on Main Deck**	Total **26 Berths** **Fully Air-conditioned**

MACHINERY / PERFORMANCE

PROPULSION - MACHINERY

Main generators
2 X 1432 KW each Caterpillar 3512C engines and 2 x 994 KW each Caterpillar C32 Diesel Engines Total 4852 KW (6506 BHP)

Propellers	**2 Fixed Pitch Propellers driven by Frequency**
Controlled Motors	**each 1600 KW Total 3200KW (4291 BHP)**
Bow Thruster	**2 x CPP Tunnel Thrusters driven Motors, each 700 KW (939 BHP each)**
Joystick	**Integrated Joystick System**

SPEED / CONSUMPTION

At 100 % MCR	**≈ 19.0 tons/day @ 14.0 knots**
At Economical Speed	**≈ 10.0 tons/day @ 10.0 knots**
Type of Fuel	**Marine Gas Oil**

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TECHNICAL SPECIFICATIONS /2

BEN NEVIS



EQUIPMENT & ELECTRONICS

CARGO CONNECTIONS

Fuel Oil	**4" Avery Hardoll (Port & Stbd. Midship and Stbd. Aft.)**
Drill Water	**4" Weco (Port & Stbd. Midship and Stbd. Aft.)**
Liquid Mud	**4" Avery Hardoll (Port & Stbd. Midship and Port & Stbd.Aft.)**
Brine	**4" Avery Hardoll (Port & Stbd. Midship and Stbd. Aft.)**
Potable Water	**4" Weco (Port & Stbd. Midship and Stbd. Aft.)**
Base Oil	**4" Avery Hardoll (Port & Stbd. Midship and Port & Stbd.Aft.)**
Bulk	**5" Weco (Port & Stbd. Midship and Port & Port Aft.)**

NAVIGATION & COMMUNICATION

ARPA Radars	**Two nos.**
ECDIS	**Two nos.**
DGPS	**Two nos.**
AIS	**One no.**
SSAS	**One no.**
Echo Sounder	**One no.**
Auto Pilot	**One no.**
Gyro Compass	**Three nos.**
GMDSS	**2 Inmarsat C Area A1, A2 & A3 Operations**
S.S.B.	**One no.**
Inmarsat Fleet Broadband	**One no.**
VHF/GMDSS	**Two nos. (One remote in ECR)**
VHF	**Two nos.**
UHF	**Two nos.**
Speed Log	**One no.**
Navtex	**One no.**
EPIRB's & SART's provided.	
P.A. & Intercom System	
BNWAS fitted	
VDR fitted	
Oil Spill Detection Radar	**One no.**
VHF direction finder	**One no.**

DYNAMIC POSITIONING SYSTEM (IMO Class DP 2)

Operator stations	**2**
DGNSS Posref System	**2**
Anemometer	**3**
Cyscan Reference Systems	**1**
VRU	**3**
FANBEAM Reference system	**1**
Gyro	**3**

EXTERNAL FIRE FIGHTING (FIFI 1)

Monitors	**2 x Remote Controlled Monitors on**
Wheelhouse top	**Capacity 1200 m3/hr**
Length of throw	**120 m**
Height of throw	**50 m**
Pumps	**1 x 1500 m3/hr driven by PTO from ME.**
External Sprinkler System	**As per FiFi 1 requirements**

ANCHOR & MOORING

Anchors	**2 x Stockless Spek Anchors**
Cables	**As per Class requirements**
Electric Windlass	**Provided as per Class**
Electric Tugger Winch	**2 x 10 Tons**
Electric Capstans	**2 x 10 Tons on Main Deck + 1 x 10 Tons on B-Deck**

MISCELLANEOUS

Monitors	**2 x Remote Controlled Monitors on**
One 6 persons Rescue Boat launched by a singlearm davit	
Life rafts according to Regulations for	**26 people**
Sewage Treatment Unit	**As per Marpol requirements**
Oily Water Separator **Installed according to MEPC. 107(49)**	
Vessel designed for Zero Fuel Overflow (Clean Design Notation), and Ballast Water Treatment system installed	
Passive stabilizing tanks provided	**Three nos.**
Reefer Points	**5 nos. 440 V 32 A and 10 Nos. 110V 32 A**
Incinerator fitted	**Type approved**
Stern Gate	**4m wide provided**
Additional Manholes for all Mud/Brine tanks provided on MainDeck	

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GENERAL ARRANGEMENT

BEN NEVIS

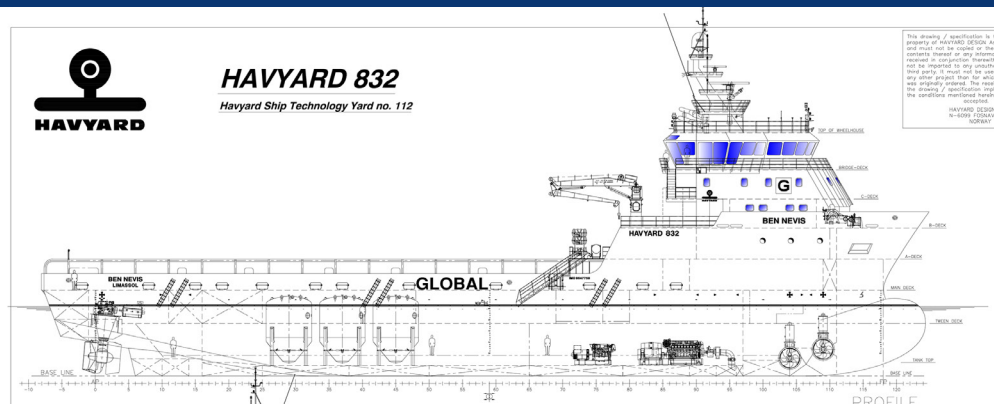


HAVYARD

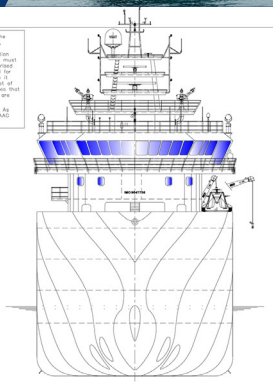
HAVYARD 832

Havyard Ship Technology Yard no. 112

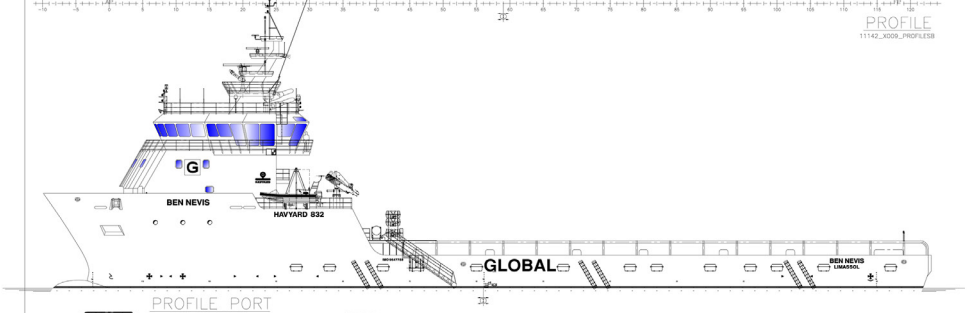
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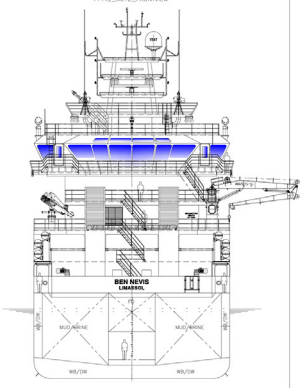
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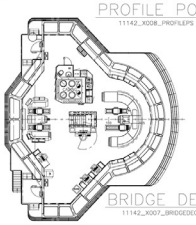
FRONT VIEW
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PROFILE PORT
11142_X008_PROFILEPS



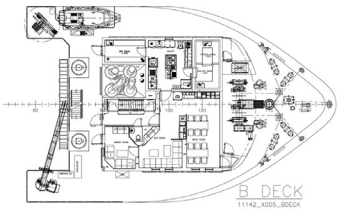
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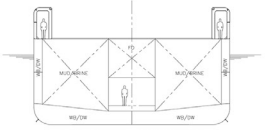
BRIDGE DECK
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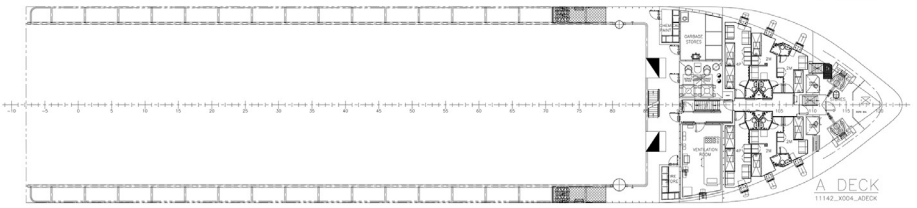
C DECK
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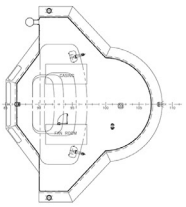
B DECK
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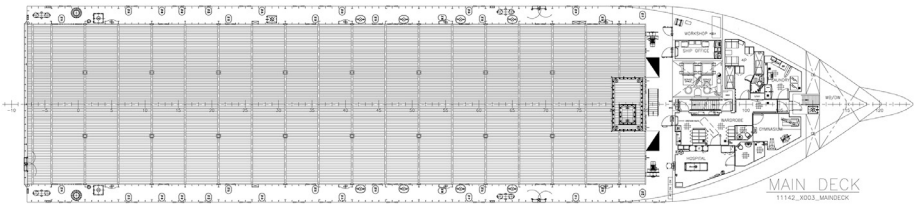
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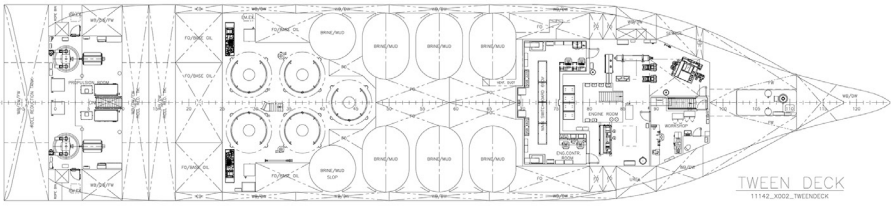
A DECK
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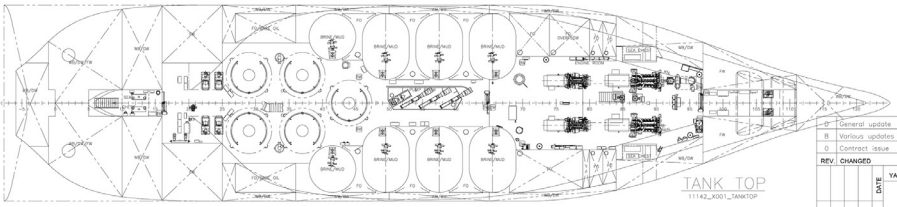
TOP OF WHEELHOUSE
11142_X013_WHEELHOUSETOP



MAIN DECK
11142_X003_MAINDECK



TWEEN DECK
11142_X002_TWEENDECK



TANK TOP
11142_X001_TANKTOP

MAIN PARTICULARS:

LENGTH OVER ALL	:	79.80 m
LENGTH BETW. PERP'S	:	70.80 m
BREADTH	:	17.60 m
DEPTH TO TWEEN DECK	:	4.70 m
DEPTH TO MAIN DECK	:	7.70 m
DEPTH TO A DECK	:	10.50 m
MAXIMUM DRAUGHT	:	6.50 m
FRAME SPACING	:	0.60 m

SPEED : ~14 KNOTS AT WL 5.00 m (2x1600 kW)

DEADWEIGHT : ~4000 TON AT WL 6.50 m

ACCOMMODATION : 26 PERSONS

CLASS:

DnV + 1A1 – SF – EO – HL(2.8) – COMF-V(3) – DK+
DYNPOS AUTR – CLEAN DESIGN – NAUT OSV – FIFI 1 – BIS

CAPACITIES:

DECK AREA	:	~ 800m²
FUEL OIL	:	~ 1100m³
FRESH WATER	:	~ 950m³
WATER BALLAST	:	~ 2500m³
DRILLING WATER	:	~ 2500m³
DRY CARGO	:	~ 300m³
MUD	:	~ 960m³
BRINE	:	~ 960m³
BASE OIL	:	~ 250m³

REV	CHANGED	DATE/SIGN.
D	General update	11.02.13/SIB
B	Various updates to drawing	24.03.12/fof
0	Contract issue	10.11.11/AHL

REV	CHANGED	DATE/SIGN.
C	Various updates in all plans	14.05.12/fof
A	Various updates to drawing	27.02.12/AHL

YARD No./PROJECT: Havyard Ship Technology Yard no. 112

GENERAL ARRANGEMENT
79.6 x 17.6 m PSV

APPROVALS
DATE:
DRAWN: AHL 30.08.11
CHECKED:
PLOTTED: 10.11.11
SCALE: 1:200
FORMAT: A1
CUSTOMER: TBA TBA

HAVYARD design™

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DRAWING NO.: 11142-101-001
YARD DRAWING NO.: 112-101-001

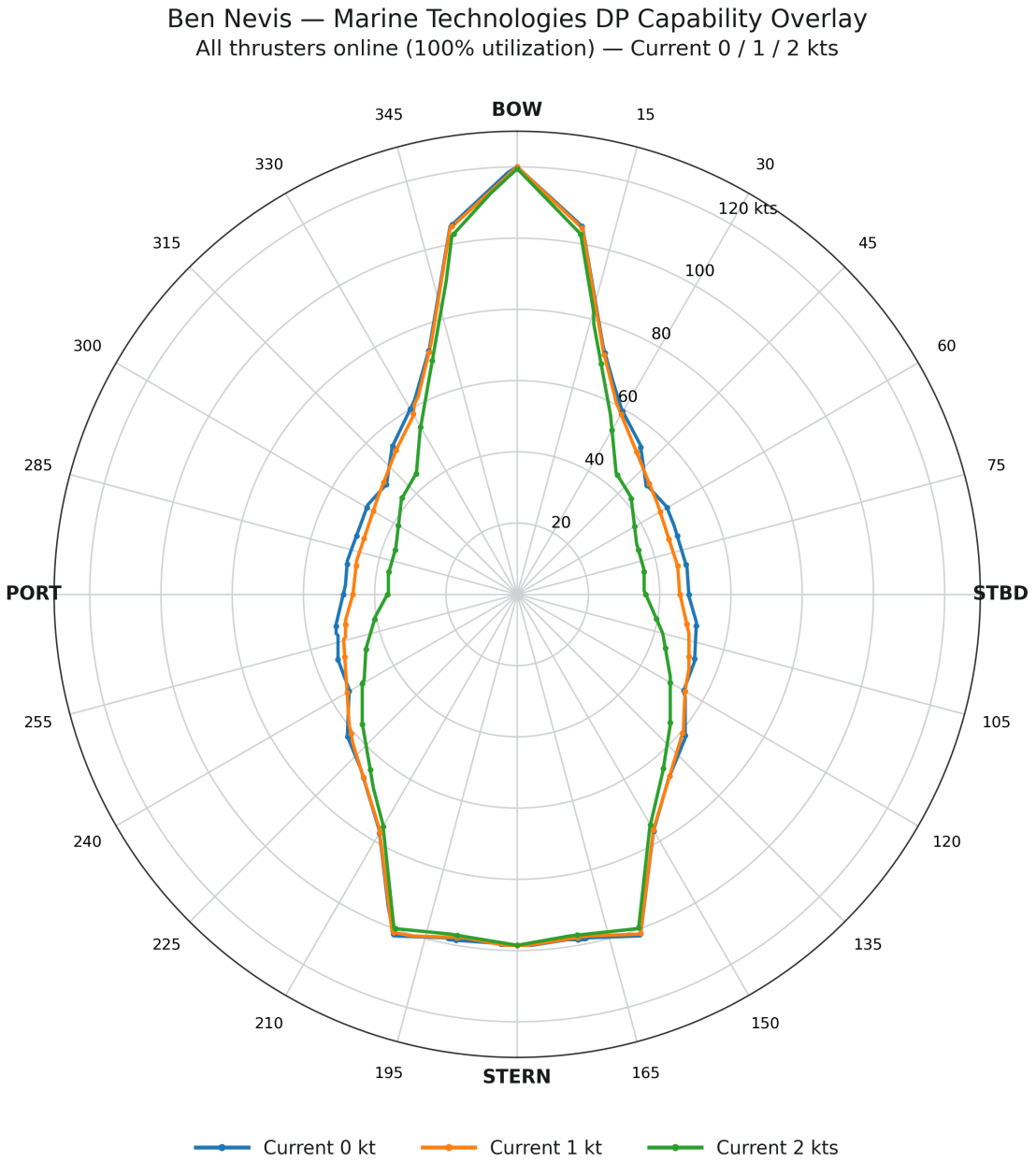
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DP CAPABILITY PLOT

BEN NEVIS



DYNAMIC POSITIONING



Minimum wind speeds stated in the report: 47.8 / 45.3 / 36.3 kts, respectively.

Source: Marine Technologies, BEN NEVIS Capability Study, Rev. A, 08 Mar 2013 — Cases 1–3, pp. 9–11.
Graphically digitized curves (approximate). Radial scale: wind speed [knots]. Bearings referenced to the bow (0°).

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CAPACITY TABLE

BEN NEVIS



NO.	DESCRIPTION	GROSS VOLUME	BALLAST WATER	FRESH WATER	FUEL OIL	BRINE/ MUD	DRY BULK	BASE OIL	LUBE OIL
		m3	m3	m3	m3	m3	m3	m3	m3
1	BALLAST WATER TANK 1	160	160						
2	FRESH WATER TANK 2	157		157					
3	FRESH WATER TANK 3	157		157					
4	BALLAST WATER TANK 4	19	19						
5	BALLAST WATER TANK 5	12	12						
6	BALLAST WATER TANK 6	81	81						
7	BALLAST WATER TANK 7	81	81						
8	BALLAST WATER TANK 8	98	98						
9	BALLAST WATER TANK 9	98	98						
10	BALLAST WATER TANK 10	86	86						
11	BALLAST WATER TANK 11	86	86						
12	BALLAST WATER TANK 12	40	40						
13	BALLAST WATER TANK 13	40	40						
14	BALLAST WATER TANK 14	19	19						
15	BALLAST WATER TANK 15	50	50						
16	BALLAST WATER TANK 16	56	56						
17	BALLAST WATER TANK 17	56	56						
18	BALLAST WATER TANK 18	56	56						
19	BALLAST WATER TANK 19	41	41						
20	BALLAST WATER TANK 20	41	41						
21	BALLAST WATER TANK 21	51	51						
22	BALLAST WATER TANK 22	51	51						
23	BALLAST WATER TANK 23	53	53						
24	BALLAST WATER TANK 24	53	53						
25	FRESHA WATER TANK 25	69		69					
26	FRESHA WATER TANK 26	69		69					
27	BALLAST WATER TANK 27	51	51						
28	BALLAST WATER TANK 28	51	51						
29	BALLAST WATER TANK 29	78	78						
30	BALLAST WATER TANK 30	78	78						
31	BALLAST WATER TANK 31 (ROLL REDUCTION)	152	152						
32	FUEL OIL TANK 32	84			84				
33	FUEL OIL TANK 33	119			119				
34	BALLAST WATER TANK 34	26	26						
36	FUEL OIL TANK 36	93			93				
37	FUEL OIL TANK 37	97			97				
38	FUEL OIL TANK 38	94			94				
39	FUEL OIL TANK 39	94			94				
40	FUEL OIL TANK 40	49			49				
41	FUEL OIL TANK 41	49			49				
42	BRINE/MUD TANK 42	134				134			
43	BRINE/MUD TANK 43	134				134			
44	BRINE/MUD TANK 44	134				134			
45	BRINE/MUD TANK 45	134				134			
46	BRINE/MUD TANK 46	134				134			
47	BRINE/MUD TANK 47	134				134			
48	BRINE/MUD TANK 48	86				86			
49	BRINE/MUD TANK 49	86				86			
50	DRY BULK TANK 50	61					61		
51	DRY BULK TANK 51	61					61		
52	DRY BULK TANK 52	61					61		
53	DRY BULK TANK 53	61					61		
54	DRY BULK TANK 54	61					61		
56	FUEL OIL/BASE OIL TANK 56	45			45			45	
57	FUEL OIL/BASE OIL TANK 57	45			45			45	
58	FUEL OIL/BASE OIL TANK 58	91			91			91	
59	BALLAST WATER TANK 59 (ROLL REDUCTION)	126	126						
60	BALLAST WATER TANK 60 (ROLL REDUCTION)	127	127						
61	FUEL OIL/BASE OIL TANK 61	70			70			70	
62	FUEL OIL/BASE OIL TANK 62	70			70			70	
141	FUEL OIL SETTLING TANK 141	16			16				
142	FUEL OIL SETTLING TANK 142	16			16				
143	FUEL OIL DAILY TANK 143	18			18				
144	FUEL OIL DAILY TANK 144	18			18				
160	LUBRICATING OIL TUNNEL THR TANK	2							2
161	LUBRICATING OIL MAIN ENGINE TANK	5							5
162	LUBRICATING OIL TANK 162	2							2
163	LUBRICATING OIL TANK 163	2							2
	TOTAL m3	**4 825**	**2 014**	**453**	**1 070**	**974**	**303**	**321**	**11**

Updated: October 2026

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