

SURVEY STATEMENT NARRATIVE ANNEX

DNV Id No:
09905
Job Id:
N2537332
Revision No:
b (2023-06-19)

Particulars of vessel

Name of vessel: **BALDER**
Owner: **Buksér og Berging AS**
IMO Number: **7406930**

Particulars of survey

Survey station: **Denmark Fleet In Service**
Place of survey: **Skagen(DNK,Denmark)-Karstensens Skibsværft**
Survey started: **2023-05-30**
Survey completed: **2023-06-13**
Lead surveyor's name: **Cieslik, Pawel**
Surveyor:



for DNV

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nN2537332-wir and ID: 09905

Cieslik, Pawel
Surveyor

SiO Surveys

Reference is made to the survey statement for the job referenced above for the documentation of the result of survey.

Narrative Report

Survey requirements, vessel in operation

Completion of renewal survey commenced previously was carried as per DNV Rules. Reference is made to commencement survey job id. 1737614 dated 2022.05.31.

Ship structure

Pressure testing of fresh water tanks, cargo-, fuel- and lube oil tanks were accepted based on a satisfactory external examination of the tank boundaries, and a confirmation from the Master stating that the pressure testing has been carried out according to the requirements with satisfactory results.

Decks

Main deck plating thickness gauged below class minimum between #8 and #9, from 100mm to stbd from CL to 1000mm to port from CL.
Reference is made to UTM report No. 116.283



*Repaired / Rectified: Deck plating has been repaired by insert. Visual survey and leak test of welds of repaired area was carried out with positive result.
Repair was carried out based on approved welding procedures by welder holding qualification certificate using certified materials.*



Anchoring arrangement

Port/starboard anchor chain cable were ranged for survey and calibration.
Original diameter: 19 mm, grade K2.

Anchoring mechanical system P

Anchor chain P: Diameter, minimum measured mean [mm]: 17.9
Anchor chain P: Length total [m]: 137.5

Anchoring mechanical system S

Anchor chain S: Diameter, minimum measured mean [mm]: 18.1
Anchor chain S: Length total [m]: 137.5



MAIN CLASS HULL SURVEY RECORDINGS

Hull items	Exam. type	Repairs carried out /CC/MO issued	Means of access	Special cons. of UTM and/or Close-up	Subst. corros.	Corrosion protection Type	Hard protective coating extent	Coating condition for hard protective coating	Annual exam. req.?
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Void fore peak tank C(043-F)	HOV	NO				HC	C	GOOD	
Void space C(039-040) (Cofferdam)	HOV	NO				HC	C	GOOD	
Decks	HTM	REP							
Side shell port	HTM	NO							
Side shell starboard	HTM	NO							
Single bottom	HTM	NO							
Superstructure	HTM	NO							
Deck houses	HTM	NO							
Chain locker P(043-045)	HOV	NO				SHC	C	FAIR	
Chain locker S(043-045)	HOV	NO				SHC	C	FAIR	
Fuel oil tank C(002-005) (Diesel)	HTS								
Fuel oil tank P(026-029) (Daily)	HTS								
Fuel oil tank S(026-029) (Daily)	HOV, HTS	NO							
Fuel oil centre tank C(032-039) (Diesel)	HTS								
Fuel oil double bottom tank P(012-022) (Diesel)	HOV, HTS	NO							
Fuel oil double bottom tank P(022-031) (Diesel)	HOV, HTS	NO							
Fuel oil double bottom tank S(012-022) (Diesel)	HOV, HTS	NO							

(1) HOV = Overall HTS = Tank test HCU = Close-up HCU(P) = Close-up (partial) HCU(C) = Close-up (complete) HTM = Thickness measurements	(2) CC, MO = Condition of Class and/or Memo to Owner given REP = Findings now repaired NO = No findings	(3) If close-up exam: PS = Permanent access TS = Temporary staging LMP = Lifts and movable platforms BR = Boats and rafts DA = Direct access, no particular provisions C = Climbing UAV = Unmanned Aerial Vehicle	(4) RTM = Reduced UTM RCU = Reduced Close-up (5) Y = Found. Always to be reported on based on sufficient mapping of the corroded area	(6) HC = Hard Coating SHC = Semi Hard Coating A = Anodes SC = Soft Coating SS = Stainless steel NP = No protection	(7) C = Complete tank U = Upper part M = Middle part L = Lower part	(8) GOOD, FAIR OR POOR For definition see ship rules. (9) Y = Annual survey to be implemented/continued
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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Fuel oil double bottom tank S(022-031) (Diesel)	HOV, HTS	NO							
Sea chests	HTM	NO							
Fresh water side tank P(040-043)	HOV, HTS	NO							
Fresh water side tank S(040-043)	HOV, HTS	NO							
Ballast tank P(005-009)	HOV, HTS	NO				NP			
Ballast tank S(005-009)	HOV, HTS	NO				NP			
Cargo side tank P(032-040) (Foam)	HOV, HTS	NO				HC	C	FAIR	
Cargo side tank S(032-040) (Foam)	HOV, HTS	NO				HC	C	FAIR	