

FINAL REPORT

MV. TBN 001

Arrived at Mongla port outer anchorage on 2019

Off Hire Bunker & Condition Survey



Date of Attendance: 2019

Place of Survey: Mongla port BC - 05 anchorage

Attending Surveyor: Engr.

REPORT ISSUED BY
PANOCEAN LIMITED

Chittagong- Mongla-Payra: Bangladesh
Shipping Agency | Marine Survey | OPA | Consultancy
Email: info@panoceanbd.com | URL: panoceanbd.com

Our File Ref: PO/TBN001/ 2019/MN
Your Ref: Unknown

On behalf of the Charterer's of MV. TBN 001

Executive Summary of FINAL REPORT

ON MV. TBN 001

"OFF HIRE BUNKER & CONDITION SURVEY"

Bulk carrier **MV. TBN 001** called at Mongla port outer anchorage on 2019. Off hire bunker & Condition survey has been carried out on behalf of Charterer's. Surveyor Engr. attended the vessel at Mongla port BC - 5 at hrs LT on 2019. Surveyor disembarked from vessel at hrs LT on 2019.

Table of Contents

<u>SL No.</u>	<u>Description</u>	<u>Page No.</u>
01.	Introduction	3
02.	Description of vessel	3
03.	General information	4
04.	Surveyor procedure and attendance at MV. TBN 001	4
05.	List of the ship's certificates	4-5
06.	Machinery	5
07.	Holds & capacity	5-6
08.	Findings	6-13
09.	Determination of quantities of heavy fuel, diesel oil and gas oil	14-15
10.	Remarks	16
11.	Conclusion	16

Annexure	'A'	Copy of Ship particular;
Annexure	'B'	Copy Crew list;
Annexure	'C'	Copy bunker delivery note
Annexure	'D'	Copy of off hire bunker survey report;

1. INTRODUCTION

1.1. Instruction

The survey has been carried out on behalf of the Charterer's of MV. TBN 001, POR: Majuro, IMO No.: 000000, in accordance with the instruction received on 2019 from M/s. The XYZ Shipping Pvt. Ltd.

1.2 Purpose of Instruction

Instructions were given to carry out off hire bunker & condition survey at Mongla port BC – 5 Anchorage.

2. DESCRIPTION OF THE VESSEL

NAME OF VESSEL	: MV. TBN 001
PORT OF REGISTRY	: Majuro
IMO NO.	: 000000
CLASS / TYPE OF VESSEL	: BULK CARRIER
YEAR BUILT	: 2007
GRT / NRT	: 21059 /11954 mts
LOA / LBP	: 175.60 / 168.50M
CARGO COMPARTMENTS	: 5 HATCHES / HOLDS
CHARTERER'S	: The XYZ Shipping Pvt. Ltd.



Ships Personal

Master	: Capt. Tamayo William Bataan
Chief Officer	: Mr. Dela Torre Bernardo Jr. Embornas
Chief Engineer	: Mr. Villaber Ronaldo Petalcorin

03. GENERAL INFORMATION

- The vessel, reportedly, arrived at Mongla port outer anchorage on 2019.
- Off hire bunker & condition survey carried out at hrs LT on 2019.
- Surveyor disembarked from vessel at hrs LT on 2019.

04. SURVEYOR PROCEDURE AND ATTENDANCE AT MV. TBN 001

MV. TBN 001 arrived at Mongla port outer anchorage on 2019 to discharge 17500 mts Stone Chips. Surveyor boarded at vessel at hrs LT on 2019 to carried out off hire bunker & condition survey. Off hire bunker & condition survey have been carried out by Engr. jointly with Master and Chief Engineer of the vessel. Surveyor disembarked from the vessel at 1300 hrs LT on 2019

05. LIST OF THE SHIP'S CERTIFICATES

SL. NO.	TITLE	DATE OF ISSUE	EXPIRE DATE
1	Ship Register Certificate	14 th Jun' 2018	N/E
2	International Load Line Certificate	7 th Oct' 2017	30 th Sep' 2022
3	Safety Equipment Certificate & Form 'E'	7 th Oct' 2017	30 th Sep' 2022
4	Safety Construction Certificate	7 th Oct' 2017	30 th Sep' 2022
5	Safety Radio Certificate & Form 'R'	11 th Jan' 2019	30 th Sep' 2022
6	Station License	14 th Sep' 2017	13 th Sep' 2021
7	I.O.P.P. Certificate with form 'A'	20 th Jul' 2018	30 th Sep' 2022
8	Safe Manning Certificate	13 th Jul' 2017	N/E
9	Safety Management Certificate	19 th Dec' 2017	7 th Oct' 2022
10	Document of Compliance	24 th Feb' 2017	4 th Jan' 2022
11	I S S C	19 th Dec' 2017	7 th Oct' 2017
12	International Seaways Pollution Certificate	7 th Oct' 2017	30 th Sep' 2022
13	International Air Pollution Certificate with Supplement	7 th Oct' 2017	30 th Sep' 2022
14	Shore base Maintenance	14 th Jul' 2018	14 th Jul' 2019
15	C S R	5 th Sep' 2017	N/E
16	Insurance Coverage under Civil Liability Convention (CLC) with Certificate of Entry	20 th Feb' 2019	20 th Feb' 2020

17	Civil Liability for Bunker (CLBC)	20 th Feb' 2019	20 th Feb' 2020
18	CLC for the removal of wrecks	20 th Feb' 2019	20 th Feb' 2020
19	International Ballast Water Management Certificate	7 th Oct' 2017	30 th Sep' 2022
20	Report of Inspection on Port State Control	9 th Apr' 2019	9 th Oct' 2019
21	EPRIB		HR/Nov 2022 B/July 2019

06. MACHINERY

Engine Room and Machinery overall outward condition is good, no significant damage observe during survey.



07. HOLDS & CAPACITY

Cargo Hold 5 nos, IHI Elect. Hyd. Driven Single Deck Crane,

30t x 18.5m/min x 4

Working Radius 24 m

Hatches Cover: Folding Type Steel,

Holds	Grain Capacity M3
-------	-------------------

1	7458.21 m3
2	9748.62 m3
3	9823.96 m3
4	9908.81 m3
5	9245.77 m3
TOTAL	46,185.37 m3

FRESH WATER CAPACITY	319.76 m3
BALLAST CAPACITY	11024.76 m3
BUNKER CAPACITY	HFO= 1709.61 M3 , DO= 174.28 M3
BUNKER CONSUMPTION	At Sea HFO 24.0 mt, MDO 0.2t Per day
BUNKER CONSUMPTION	At Port Working HFO 3.0t per day, At Port Idle HFO 2.1 t Per day, MDO 0.2 t Per day.

08. FINDINGS

After a careful visual inspection of vessel's installations, equipment etc. the following was noticed:

WEATHER DECK

Fore Castle Deck

- Windlass, winches, bollards, mooring ropes/wires, fairleaders, anchors and anchors chains in apparent good order.
- Forecastle access hatch, bitts and windlass platforms no painted marked with different colors, winches without effective hazard markings. Thick Rust in Places.
- Mooring lines stored in direct contact to deck plating.



Poop Deck

- Windlass, winches, bollards, mooring ropes/wires, fairleaders, rust in places.
- Poop deck access hatch, bitts and windlass platforms not painted with different colors, unfortunately winches without effective hazard markings.
- Mooring lines stored in direct contact to deck plating.



HOLD No. 01

For'd and Aft Transversal Bulkheads

For'd Flush Bulkhead plating: Well painted and maintained, presenting slight scratches.

Aft Corrugated Bulkhead/Stool Plating: Well painted and maintained, presenting slight scratches.

Aft Hold's Ladder: Slight indented on bottom section.

Pipes: No remarkable damage noticed.



Port side and Starboard side

Port Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Stbd Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Double Bottom Tank Top Plating

Tank top strakes plating rusty with brown rust color generally dented and waved toward floors and intercostals.

Hatch Coaming

Inner hatch plating slightly scratched and well maintained. Hatch coaming compression bar in good order. Hatch drains channel and trackway showing spots of corrosion in places.

Hatch Covers

Pontoon type Moveable Steel Hatch covers top panels without damage. Hatch covers underside plating without damages. Rubber packing case with spots of rust and corrosion. Packing rubber presenting imprinting marks.

HOLD No. 02

For'd and Aft Transversal Bulkheads

For'd Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Hold's Ladder: Rusty indented on bottom section.

Pipes: No remarkable damage noticed but Rust in places.



Port side and Starboard side

Port Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Stbd Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Double Bottom Tank Top Plating

Tank top strakes plating rusty with brown rust color generally dented and waved toward floors and intercostals.

Hatch Coaming

Inner hatch plating slightly scratched and well maintained. Hatch coaming compression bar in good order. Hatch drains channel and trackway showing spots of corrosion in places.

Hatch Covers

Pontoon type moveable Steel Hatch covers top panels without damage. Hatch covers underside panels rust and corrosion spotted. and rubber packing case with spots of rust and corrosion. Packing rubber presenting imprinting marks.

HOLD No. 03

For'd and Aft Transversal Bulkheads

For'd Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Hold's Ladder: Rusted indented on bottom section.

Pipes: No remarkable damage noticed but Rust in places.



Port side and Starboard side

Port Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Stbd Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Double Bottom Tank Top Plating

Tank top strakes plating rusty with brown rust color generally dented and waved toward floors and intercostals.

Hatch Coming

Inner hatch plating slightly scratched and well maintained. Hatch coaming compression bar in good order. Hatch drains channel and trackway showing spots of corrosion in places.

Hatch Covers

Pontoon type moveable Steel Hatch covers top panels without damage. Hatch covers underside panels rust and corrosion spotted. and rubber packing case with spots of rust and corrosion. Packing rubber presenting imprinting marks.

HOLD No. 04

For'd and Aft Transversal Bulkheads

For'd Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Hold's Ladder: Rusted indented on bottom section.

Pipes: No remarkable damage noticed but Rust in places.



Port Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.
Stbd Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Double Bottom Tank Top Plating

Tank top strakes plating rusty with brown rust color generally dented and waved toward floors and intercostals.

Hatch Coming

Inner hatch plating slightly scratched and well maintained. Hatch coaming compression bar in good order. Hatch drains channel and trackway showing spots of corrosion in places.

Hatch Covers

Pontoon type moveable Steel Hatch covers top panels without damage. Hatch covers underside panels rust and corrosion spotted. and rubber packing case with spots of rust and corrosion. Packing rubber presenting imprinting marks.

HOLD No. 05

For'd and Aft Transversal Bulkheads

For'd Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Corrugated Bulkhead/Stool: showing bed maintenance, plating rusted, presenting scratches and rust stains.

Aft Hold's Ladder: Rusted indented on bottom section.

Pipes: No remarkable damage noticed but Rust in places.



Port side and Starboard side

Port Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Stbd Side plating, shell frames: scratched/rust spotted. Lower part scratched and brown rusted.

Double Bottom Tank Top Plating

Tank top strakes plating rusty with brown rust color generally dented and waved toward floors and intercostal.

Hatch Coaming

Inner hatch plating slightly scratched and well maintained. Hatch coaming compression bar in good order. Hatch drains channel and trackway showing spots of corrosion in places.

Hatch Covers

Pontoon type moveable Steel Hatch covers top panels without damage. Hatch covers underside panels rust and corrosion spotted. and rubber packing case with spots of rust and corrosion. Packing rubber presenting imprinting marks.

09. DETERMINATION OF QUANTITIES OF HEAVY FUEL, DIESEL OIL AND GAS OIL

According to our off hire bunker & condition Survey carried out on MV. TBN 001, Port of Register, Majuro; Gross Tonnage 21059, made on behalf of Messers The XYZ Shipping Pvt. Ltd. as Charterer's, after having taken temperature and soundings of all bunker tanks, compared same with the tank calibration scales, the required calculations were made together with the vessel's Master and Chief Engineer in attendance, all concerned parties agreed that the bunkers quantity on board the vessel at the time of bunker survey amount to the following:

HSFO	:	691.483 MT
MDO	:	NIL
MGO	:	36.712 MT



OFF HIRE BUNKER SURVEY

Name OF VESSEL	MV. TBN 001	IMO No.	000000
Port of Registry	MAJURO	G.R.T.	21059
Date of Survey	31-05-2019	N.K.T.	11954
Time of Survey	09:30 HRS	DRAFT	Fore= 6.2 m Alt= 6.55 m
Place of Survey	MONGLA BC S	TRM	0.35 m (aft) List= NTL

For Charterer :

H/S HEAVY FUEL OIL								
Tank No.	Ullage Corr'd(m)	Volume Cubic mtr	Density @15°C	Temp Deg(C)	V.C.F. T(548)	G.S.V m³ @ 15°C	Metric Tons (In Vac.)	Metric Tons (In Air)
No. 2 C.F.O. TANK	16.080	9.910	0.9808	32.0	0.9882	9.753	9.605	9.594
No. 3 C.F.O. TANK	15.250	259.910	0.9808	32.0	0.9882	256.843	251.913	251.629
No. 4 C.F.O. TANK	14.900	369.300	0.9808	32.0	0.9884	365.915	361.293	360.891
No. 5 C.F.O. TANK	15.720	44.850	0.9808	32.0	0.9884	44.340	43.887	43.839
SETTLING TANK	GAUGE	8.000	0.9808	107.0	0.9354	7.453	7.340	7.331
SERVICE TANK	GAUGE	11.000	0.9808	107.0	0.9354	10.289	10.092	10.085
P.O. (D/F) TANK	2.530	8.300	0.9808	32.0	0.9884	8.204	8.128	8.119
		0.000	0.9800	0.0	1.0115	0.000	0.000	0.000
TOTAL Cubic Metres @ 15°C						701.968		
							TOTAL Metric Tons	692.257
								691.483

LOW SULP HEAVY FUEL OIL								
Tank No.	Ullage / Sound Corr'd(m)	Volume Cubic Mtr	Density @15°C	Temp Deg(C)	V.C.F. T(548)	G.S.V m³ @ 15°C	Metric Tons (In Vac.)	Metric Tons (In Air)
	0.000	0.000	0.8124	30.0	0.9877	0.000	0.000	0.000
		0.000	0.8147	82.0	0.9479	0.000	0.000	0.000
		0.000	0.8147	78.0	0.9473	0.000	0.000	0.000
TOTAL Cubic Metres @ 15°C						0.000		
							TOTAL Metric Tons	0.000

HS MARINE DIESEL OIL								
Tank No.	Ullage / Sound Corr'd(m)	Volume Cubic Mtr	Density @15°C	Temp Deg(C)	V.C.F. T(548)	G.S.V m³ @ 15°C	Metric Tons (In Vac.)	Metric Tons (In Air)
	0.000	0.000	0.8497	47.0	0.9732	0.000	0.000	0.000
	0.000	0.000	0.8484	47.0	0.9731	0.000	0.000	0.000
	0.000	0.000	0.8624	78.0	0.9479	0.000	0.000	0.000
	0.000	0.000	0.8900	45.0	0.9767	0.000	0.000	0.000
	0.000	0.000	0.8900	78.0	0.9681	0.000	0.000	0.000
TOTAL Cubic Metres @ 15°C						0.000		
							TOTAL Metric Tons	0.000

LOW SULP MARINE GAS OIL								
Tank No.	Ullage / Sound Corr'd(m)	Volume Cubic Mtr	Density @15°C	Temp Deg(C)	V.C.F. T(548)	G.S.V m³ @ 15°C	Metric Tons (In Vac.)	Metric Tons (In Air)
O.O. TANK P	4.410	35.035	0.8891	32.0	0.9806	34.566	33.732	33.695
O.O. TANK S	1.350	3.500	0.8484	32.0	0.9858	3.450	2.927	2.923
SETTLING TANK	GAUGE	0.800	0.8497	47.0	0.9732	0.775	0.562	0.561
SERVICE TANK	GAUGE	2.950	0.8484	47.0	0.9731	2.871	2.435	2.433
D.O. DRAIN TANK	3.2300	0.000	0.8484	36.0	0.9824	0.000	0.000	0.000
TOTAL Cubic Metres @ 15°C						41.606		
							TOTAL Metric Tons	36.756
								36.712

ROB AT THE TIME OF SURVEY : At 09:30 hrs Lt, ON 31 MAY 2019			
H/S HEAVY FUEL OIL :	691.483 MT	L/S MARINE DIESEL OIL :	NIL MT
L/S HEAVY FUEL OIL :	NIL MT	L/S MARINE GAS OIL :	36.712 MT

ROB AT THE TIME OF DOP / RE-DELIVERY : At hrs Lt, ON 2019			
H/S HEAVY FUEL OIL :	M/T	L/S MARINE DIESEL OIL :	NIL M/T
L/S HEAVY FUEL OIL :	NIL M/T	L/S MARINE GAS OIL :	M/T

The Chief Engineer
VILLABER ROLANDO PETALCORIN

Independent Marine Surveyor
MD. ANISUR RAHMAN (CHIEF ENGR)

At the time of survey,

- Cargo Hold No 1, 2, 3, 4 and 5 were found satisfactory for loading food grain cargoes. No significant damage observed on tank tops, Sounding pipes, Bilges suction systems.
- All bilges suction found satisfactory.
- All Navigational equipment's found satisfactory.
- All LSA & FFA equipment's found satisfactory.
- Emergency steering gear, Rudder & Propeller found satisfactory.

11. CONCLUSION

Bunker Quantity at the time of **"OFF HIRE BUNKER & CONDITON SURVEY"** as per Bunker survey report HSFO = 691.483 MT, MDO = NIL and MGO = 36.712 MT. Surveyor disembarked from vessel at hrs LT on 2019.

ISSUED WITHOUT PREJUDICE.
Md. Sahadat Hossain - Survey Dept.
For Panocean Limited