

Bulk Carrier Casualty Report

Years 2010 to 2019 and trends

INTERNATIONAL ASSOCIATION OF DRY CARGO SHIPOWNERS

4th Floor, 123 Minories, London EC3N 1NT, U.K.

Phone: +44 (0)20 8106 8480 E-mail: info@intercargo.org Web Site: www.intercargo.org

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Introduction

The loss of the bulk carrier Nur Allya in August 2019 cast a shadow over the industry's excellent safety performance throughout the previous year, during which no bulk carrier casualties were reported. This incident alone clearly demonstrates that there is no room for complacency, and INTERCARGO calls for a prompt and thorough investigation into this tragic loss. It is only through effective root cause analysis that appropriate corrective actions can be put in place to ensure that such an accident never happens again.

Lessons learned from past incidents play an important role in determining where additional safety improvements are necessary both at an industry and an international level. To this end the prompt publication of thorough and complete casualty investigation reports remains a key objective of the industry. It is vitally important that casualty investigation reports are submitted to the International Maritime Organization (IMO) in a timely manner so that the root

It is only through effective root cause analysis that appropriate corrective actions can be put in place to ensure that an accident like the loss of the bulk carrier Nur Allya never happens again. causes of serious incidents can be properly identified and the appropriate corrective actions taken.

The industry finds it difficult to accept that only 24, or about 62%, of a total of 39 bulk carrier losses had their investigation reports made available on the IMO Global Integrated Shipping Information System (GISIS) database at the end of January 2020. The aver-

age time from incident to a report becoming available has been 32 months for these investigations.

Cargo failure and liquefaction continue to be a major concern for dry bulk shipping. Between 2010 and 2019, among the 39 losses above, there were eight casualties with suspected cargo failure. These consisted of six bulk carriers carrying nickel ore from Indonesia, one vessel with iron ore fines (assumed to be laterite) loaded with high moisture content from Malaysia, and one vessel with bauxite from Malaysia. Significantly, against the total of 173 lives lost in all 39 casualties, 106 of these were lives lost from the eight casualties with cargo failure.

INTERCARGO welcomes the latest amendment to the International Maritime Solid Bulk Cargoes Code (IMSBC 05-19), which will enter into force on 1 January 2021. The Code incorporates the lessons learned from the loss of the Bulk Jupiter which was carrying a cargo of bauxite fines. According to the Code 'This cargo may suffer instability due to moisture content resulting in dynamic separation and formation of a liquid slurry (water and fine solids) above the solid material, leading to a free surface effect which may significantly affect the ship's stability. This cargo is not liable to undergo dynamic separation when the cargo is shipped below its TML [transportable moisture limit]' (Res MSC.462(101), adopted on 13 June 2019).

The investigation into the sinking of the Stellar Daisy (March 2017) found that she foundered due to a structural failure in the No. 2 port side water ballast tank that initiated progressive structural failure within the cargo length and caused a total loss of buoyancy. The IMO is expected to consider additional measures for bulk carrier safety in Safety of Life at Sea (SOLAS) chapter XII, and the 2011 International Code on the Enhanced Programme of Inspections during Surveys of Bulk Carriers and Oil Tankers (2011 ESP Code). These measures are aimed at closing gaps that were identified and reducing the potential for similar very serious marine casualties involving bulk and ore carriers.

February, 2020

Summary

39 bulk carriers (of over 10,000 dwt) have been identified as total losses ¹ for the years 2010 to 2019

Year	10k-34,999 dwt	35k-49,999 dwt	50k-59,999 dwt	60k-79,999 dwt	80k+ dwt	Total
2010	1	1	2	Θ	2	6
2011	6	2	1	1	1	11
2012	1	Θ	1	1	Θ	3
2013	1	2	2	0	1	6
2014	1	1	Θ	0	Θ	2
2015	2	Θ	1	2	Θ	5
2016	Θ	1	Θ	0	2	3
2017	Θ	Θ	1	0	1	2
2018	Θ	Θ	Θ	0	Θ	Θ
2019	Θ	Θ	1	0	Θ	1
Total	12	7	9	4	7	39

Total losses - Bulk carriers by size² and year

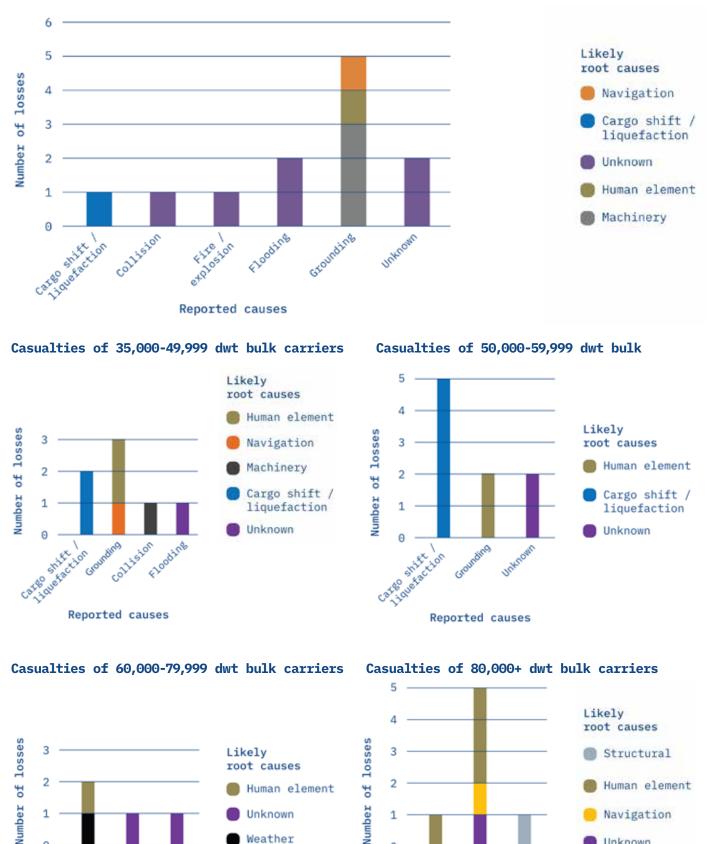
Significant findings

- Size bracket 10,000-34,999 dwt: 12 bulk carriers were lost, representing 30.8% of the total 48 casualties reported.
- Size bracket 35,000-49,999 dwt: Seven vessels were lost, representing 17.9% of the total, without a clear pattern of improvement through the years.
- Size bracket 50,000-59,999 dwt: Nine vessels were lost, representing 23.1% of the total, with five losses related to suspected cargo failure (liquefaction) and consequential loss of 72 lives.
- Size bracket 80,000+ dwt: Seven vessels were lost, or 17.9% of the total.
- Four bulk carrier losses in the size bracket 60,000-79,999 dwt equate to the lowest number of casualties, representing 10.3% of the total.
- In terms of annual ship losses, after peaking in 2011, a reduction of ship losses was observed thereafter.

¹ This document provides information on casualty data related to bulk carriers above 10,000 dwt. INTERCARGO's classification of ship casualties follows the same principles used in IMO's classification on GISIS. The assumed definitions of vessel sizes used in this report serve its purposes for continuity and easier comparison with past reports.



Analysis of causes in terms of ships' size



Casualties of 10,000-34,999 dwt bulk carriers

Reported causes

Flooding

Structural

2

1

0

Grounding

Reported causes

Ning Groun

Flooding

2

1

0

collision

Human element

Unknown

Weather

Human element

Navigation

Unknown

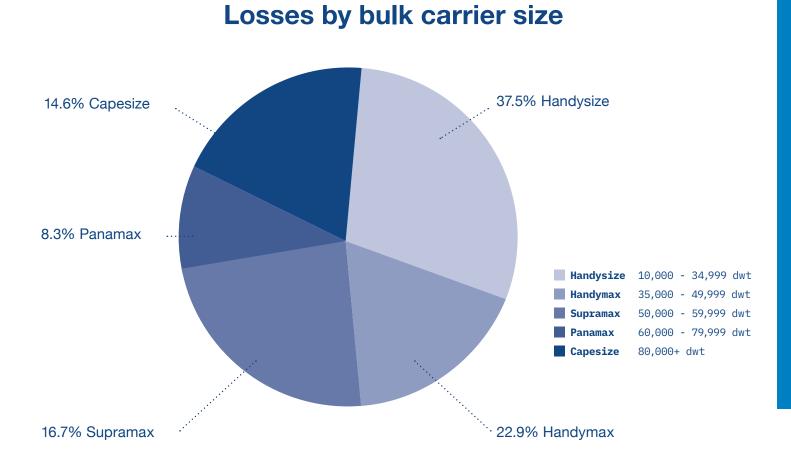
Analysis of total losses for previous ten years 2010 to 2019

- 39 bulk carriers over 10,000 dwt have been identified as lost, or on average 4 ships per year.
- 173 crew members have lost their lives as consequence, or on average 17 lives lost per year.
- > The average age of the bulk carriers lost was 20.8 years.
- Vessels amounting to 2.59 million dwt have been lost, or on average 259 thousand dwt per year.

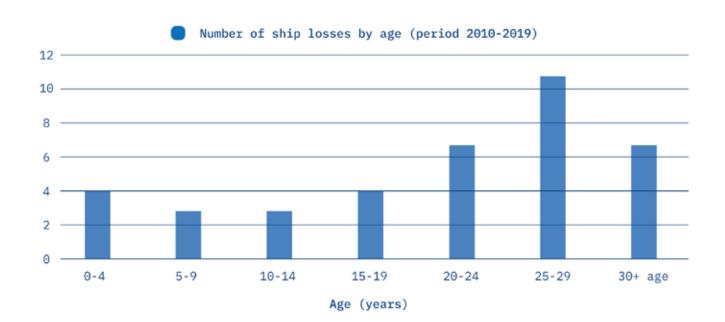
Reported cause	Losses of life	Losses of ships	Likely root cause	Losses of ships
Cargo shift/ liquefaction	106	8	Cargo failure	8
			Human element	1
Collision	Θ	3	Machinery failure	1
			Unknown	1
Fire/explosion	0	1	Unknown	1
El codón e	22	5	Structural	1
Flooding	22	5	Unknown	4
			Human element	11
			Machinery failure	1
Grounding	10	17	Navigation	3
			Unknown	1
			Weather	1
Structural	0	1	Unknown	1
Unknown	35	4	Unknown	4
TOTAL	173	39		39

Losses by cause

- The highest loss of life has been attributed to cargo failure (liquefaction), totalling 106 lives lost or 61.3% of total loss of life - resulting from the 8 casualties.
- The most common reported cause of ship losses has been grounding, with 17 losses or 44.6% of total losses.
- Losses due to flooding for 5 ships (12.8%) have been significant.
- Loss of lives resulting from 4 ships lost with unknown causes accounted for 35 lives, or 20.2% of total lives lost.

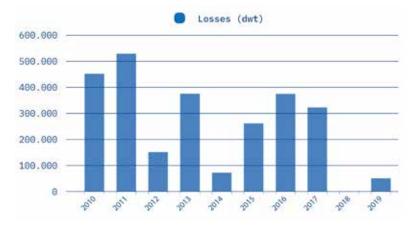


Losses by age



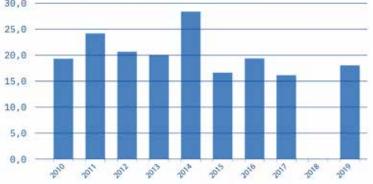
Losses by dwt

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Losses (dwt)	461,666	528,009	154,526	376,478	63,580	254,308	375,386	323,508	Θ	52,378



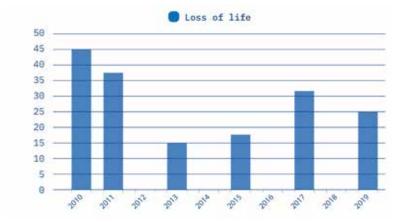
Losses by average age

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Average age (years)	19.3	24.0	20.7	20.0	28.5	16.8	19.7	16.5	0	18
		3	0,0	Aver:	age age of s	hip lost (y	ears)			



Losses of life

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Loss of life	45	38	Θ	15	Θ	18	Θ	32	Θ	25



Flag state performance - report of investigation submitted to IMO's GISIS

Lessons learnt from past incidents play an important role in determining where additional safety improvement is necessary. At the end of Jan 2020, 24 of the 39 bulk carrier losses in this analysis have had investigation reports made available on IMO's GISIS (<u>https://</u> <u>gisis.imo.org/Public/Default.aspx</u>), these represent 61.5% of the total. The average time from incident to a report becoming available has been 32 months for these investigations.

The following is an analysis of flag state reporting on the casualties identified that have been made available on the IMO GISIS database.

Flag	No. of cases	GISIS with reports	Average months*	GISIS without report
Bahamas	1	1	7	0
Belize	1	0	?	1
China	1	0	?	1
Cyprus	2	1	42	1
Hong Kong, China	4	3	47	1
Indonesia	1	Θ	?	1
Korea	3	1	72	2
Liberia	2	2	52.5	0
Malta	3	3	42	0
Marshall Islands	1	1	25	0
Mexico	1	1	38	0
Panama	18	11	19.3	7
Vietnam	1	0	?	1
Total	39	24	32.1	15

*Average number of months from the incident date to the date of the reports shown with GISIS



Casualty list

Between January 2010 and December 2019, 39 bulk carrier casualties were identified as total losses and are listed in the following pages of this report.

The Equasis website, IMO GISIS and other public sources were used to compile the data contained within this report. Due to the limited information available, it is likely that errors exist, and consequently readers and users of this report, seeking confirmation regarding the accuracy and/or updates of the compiled data, are recommended to contact the relevant shipowners and flag states.

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	9138977	02-May-10	187839	1997	Hong Kong, China	NK	Θ					
Bright Century	Reported cause: <u>Collision</u> (Likely root cause: not navigating carefully) - Following the collision, took in water and foundered in about 30 minutes with full cargo of iron ore.											
	Investigation	report on IMC) GISIS: availa	able on 2018.9.	13 (100 months	from incident	date)					
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	8315308	12-Apr-10	87221	1984	Korea	KR	Θ					
Oriental Hope		e: <u>Grounding</u> (, South Korea	· · · · · · · · · · · · · · · · · · ·	u se: Unknown) total loss.	- stranded on	reef in the Ea	ast China Sea					
	Investigation	report on IMC) GISIS: No									
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	8106379	27-0ct-10	45108	1983	Panama	ABS	13					
Jian Fu Star		Reported cause: <u>Cargo shift/liquefaction</u> (Likely root cause: Cargo shift/liquefaction) - Nickel Ore liquefaction loaded from Indonesia.										
	Investigation	Investigation report on IMO GISIS: available on 2013.5.14 (31 months from incident date)										
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	7518915	09-Nov-10	34456	1976	Panama	BKI	Θ					
Jianmao 9	Reported cause: <u>Flooding</u> (Likely root cause: Unknown) - took water in holds and sank in the South China Sea, in heavy weather.											
	Investigation	report on IMC) GISIS: No									
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	9467861	10-Nov-10	56893	2009	Panama	CCS	22					
Nasco Diamond		e: <u>Cargo shift</u> ion loaded fro		(Likely root c	ause: Cargo sh	ift/liquefacti	on) - Nickel					
	Investigation	report on IMC) GISIS: availa	ble on 2013.5.	13 (30 months	from incident	date)					
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	9230139	03-Dec-10	50149	2001	Panama	NK	10					
Hong Wei		e: <u>Cargo shift</u> ion loaded fro		(Likely root c	ause: Cargo sh	ift/liquefacti	on) - Nickel					
	Ore riqueract	TOU TOAGed IIC	JII IIIUUIIESIa.									

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	9413705	16-Mar-11	75208	2009	Malta	Unknown	Θ					
Oliva		Reported cause: Grounding (Likely root cause: not following company SMS) - Ran aground with a cargo of soya beans in bulk.										
	Investigation	report on IMC) GISIS: availa	able on 2012.09	9.29 (18 months	from incident	date)					
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	8316314	22-Mar-11	29112	1984	Panama	NK	Θ					
Costis	Reported caus	se: Unknown (Li	kely root caus	e: Unknown) -	disabled, with	n flooded engin	ne room.					
	Investigation	n report on IMC) GISIS: No									
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	8116881	01-Apr-11	27192	1982	Panama	ABS	0					
Mirach		se: Grounding (nage to the hui					d and					
	Investigation	n report on IMC) GISIS: availa	able on 2012.02	2.29 (11 months	5)						
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	8409800	26-Jun-11	152329	1987	Panama	DNV GL	Θ					
Sunny Partner		se: Grounding (ll while carry:			nal error) - g	rounded off Ir	donesia with					
	Investigation	n report on IMC) GISIS: No									
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of lif					
	8106020	18-Jul-11	33109	1982	Belize	BV	Θ					
Rainbow	Reported cause ship.	se: Collision (Likely root ca	use: Unknown)	- sank due to	collision with	another					
	Investigation report on IMO GISIS: No											
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life					
	8806515	29-Jul-11	38337	1990	Malta	Unknown	0					
B Oceania	and eventual the collision	se: <u>Collision</u> (Ly collided wit and subsequer ta available a	h another ship t foundering	o, and sustaind in the Malacca	ed major damag Strait, Malay	es to the hull sia.Investigat	following					
	Investigation	n report on IMC) GISIS: availa	able on 2017.01	3 (65 months)							
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of lif					
	8106745	04-Aug-11	36196	1984	Panama	LR	Θ					
Rak Carrier		e: <u>Flooding</u> (L carrying 60,0	-				-					
	Investigation	n report on IM() GISIS: No				i					
	TMO No	Incident	Deadweight	Built	Flag	Class	Loss of lif					
Name	IMO No.	Date			1							
Name	8112964	08-Aug-11	34942	1984	Panama	GL	Θ					
	8112964 Reported cause drifted and se tow.	08-Aug-11 se: <u>Grounding</u> (stranded on re	Likely root ca	use: Machinery	failure) - Su	stained engine	e failure,					
	8112964 Reported cause drifted and se tow.	08-Aug-11 se: <u>Grounding</u> (Likely root ca	use: Machinery	failure) - Su	stained engine	e failure,					
Angel 1	8112964 Reported cause drifted and se tow.	08-Aug-11 se: <u>Grounding</u> (stranded on re	Likely root ca	use: Machinery	failure) - Su	stained engine	e failure, still under					
Name Angel 1 Name	8112964 Reported cause drifted and se tow. Investigation	08-Aug-11 se: <u>Grounding</u> (stranded on rea n report on IMC Incident	Likely root ca ef, sustained) GISIS: No	use: Machinery severe damage	failure) - Su to the hull an	stained engine d sank whilst	e failure,					
Angel 1	8112964 Reported cause drifted and stow. Investigation IMO No. 7400041 Reported cause coastal water	08-Aug-11 se: <u>Grounding</u> (stranded on rea n report on IM(Incident Date	Likely root ca ef, sustained O GISIS: No Deadweight 18955 Likely root ca g, the ship ran	use: Machinery severe damage Built 1974 use: Diminishe	Flag Panama	stained engine d sank whilst Class PMDS cmance) - ancho	E failure, still under Loss of life 10 pred in					

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	8604474 21-Nov-11 26589 1987 Korea NK 6										
Bright Ruby Reported cause: <u>Cargo shift/liquefaction</u> (Likely root cause: Cargo shift/liquefaction) - Wi 16,992 tons of fine iron ore loaded with high moisture content at Penang, Malaysia, it states to heel rapidly, capsized and sank about 350 miles south of Hong Kong.											
	Investigation report on IMO GISIS: available on 2017.11.15 (72 months from incident date)										
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	9290907	25-Dec-11	56040	2005	Vietnam	NK	22				
Vinalines Queen					ause: Cargo sh n Indonesia's M		on) - Nickel				
	Investigation	report on IMC) GISIS: No								

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	9309667	16-Aug-12	52289	2006	Hong Kong, China	NK	0				
Ocean Breeze	Reported cause: <u>Grounding</u> (Likely root cause: failure to adopt safety measures) - dragged anchor due to the storm and heavy sea and ran aground on a sandbank of the Llo-Lleo beach.										
	Investigation report on IMO GISIS: available on 2013.10.14 (14 months from incident date)										
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	8313075	23-Aug-12	24779	1985	Cyprus	JRB	Θ				
Thermopylae Sierra	Reported cause: <u>Unknown</u> (Likely root cause: Unknown) – Sank while in lay-up anchorage.										
010114	Investigation report on IMO GISIS: No										
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	8417637	28-Aug-12	77458	1986	Korea	KR	0				
Pacific Carrier		e: <u>Structural</u> chorage, near S			- broke in tw	o in typhoon E	Bolaven on				
	Investigation	report on IMC) GISIS: No								

Name	IMO No.	Incident	Deadweight	Built	Flag	Class	Loss of life				
	0102//1	Date	40004	1002	Demons	DTNA	45				
	8103664	17-Feb-13	48891	1983	Panama	RINA	15				
Harita Bauxite	Reported cause: <u>Cargo shift/liquefaction</u> (Likely root cause: Cargo shift/liquefaction) - Nickel Ore liquefaction from Indonesia with 47,450 metric tons of nickel ore.										
	Investigation report on IMO GISIS: available on 2015.08.17 (30 months from incident date)										
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	9110341	30-Mar-13	27209	1996	Liberia	BV	Θ				
Atlantik Confidence				ot cause: unkno d watch-keeping		fter suffering	engine room				
	Investigation report on IMO GISIS: available on 2019.3.31 (72 months)										
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	8408521	05-May-13	39695	1984	Malta	NK	Θ				
Rio Gold	clinker, ran	Reported cause: <u>Grounding</u> (Likely root cause: Navigation) - laden with 35,200 MT of cement clinker, ran aground on hard rock off South East Preparis Island. <i>Investigation Report by</i> <i>Transport Malta available</i> at https://mti.gov.mt/en/Pages/Main%20en.aspx Investigation report on IMO GISIS: available on 2017.01.27 (43 months)									
	Investigation	report on IMC) GISIS: availa	ble on 2017.01	.27 (43 months))					
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	9071703	02-Jul-13	52580	1993	Panama	RINA	Θ				
Fu Sheng Hai	Reported cause: <u>Grounding</u> (Likely root cause: Human error) - ran aground on rocks of Saeng-Do (Island) off Yong of Busan and broken in two in way of No.4 cargo hold.										
	Investigation	report on IMC) GISIS: availa	ble on 2014.05	.15 (10 months	from incident	: date)				
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	9615468	14-Aug-13	56824	2012	Hong Kong, China	BV	Θ				
Trans Summer				(Likely root c k carrying 57,							
	Investigation	report on IMC) GISIS: avail	able on 2015.1	1.30 (27 month	s)					
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life				
	9137959	19-Aug-13	151279	1996	Panama	NK	Θ				
Smart	Reported caus	e: Grounding (Likely root ca	use: human err	or) - Sank aft	er running agi	cound.				
	Investigation	report on IMC	GISIS: avail	able on 2014.0	7.08 (11 month	s from inciden	t date)				

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life		
	8126135	19-Jan-14	21317	1982	Panama	Intermarine	0		
Rich Forest		Reported cause: <u>Flooding</u> (Likely root cause: Unknown) - Sinking off of Guam from suffered leak and uncontrolled water ingress in the engine room; no life lost.							
	Investigation report on IMO GISIS: No								
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	loss of life		
	8902486	15-Mar-14	42263	1991	Panama	ABS	Θ		
John 1 Reported cause: <u>Grounding</u> (Likely root cause: seachest suction valve defective or not cloproperly) - Suffered a power failure from flooding, drifted with wind and ran aground of Blanche, Canada. Her hull sustained tears, punctures, and dents.									
	Investigation	report on IMC) GISIS: availa	ble on 2016.6.	27 (28 months)				

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life			
	9339947	02-Jan-15	56009	2006	Bahamas	NK	18			
Bulk Jupiter	sank and 18 c	Reported cause: <u>Cargo shift/liquefaction</u> (Likely root cause: Cargo shift/liquefaction) - Ship sank and 18 crew lost with bauxite cargo onboard loaded in Kuantan, Malaysia, attributed to liquefaction/dynamic separation of the cargo.								
	Investigation	report on IMO	GISIS: Avail	able on 2015.8	.18 (7 months i	from incident (date)			
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life			
	9076404	11-Feb-15	27308	1994	Cyprus	NK	Θ			
Goodfaith				use: Human err o sualty Or Repai		ashore on Andro	os, Greece.			
	Investigation	report on IMO	GISIS: availa	ble on 2018.08	.09 (42 months)					
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life			
	9614804	08-Aug-15	29988	2013	China	CCS	0			
Jiang Quan 6	Reported cause: <u>Grounding</u> (Likely root cause: Navigation) - hit a reef near Zhoushan while trying to avoid a collision with a fishing vessel. Equasis reports "In Casualty Or Repairing".									
	Investigation	report on IMO	GISIS: No							
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life			
	9045912	24-0ct-15	71665	1993	Mexico	ABS	Θ			
Los Llanitos	Reported cause: <u>Grounding</u> (Likely root cause: Weather) - being victim to the Hurricane Patricia which hit the Mexico's Pacific coast, the ship ran aground on the rocks and sustained considerable damage. The ship's hull was cracked in the middle.									
	Investigation	report on IMO	GISIS: avail	able on 2018.1	2.13 (37 months	5)				
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life			
	9003108	08-Mar-15	69338	1990	Panama	LR	Θ			
Panamax Trader		e: <u>Water Ingre</u> ed sea northwe		t cause: Unknow	wn) – Took wate	er forward and	subsequently			
	Investigation report on IMO GISIS: no									

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life		
	9135688	29-Feb-16	161121	1997	Panama	KRS	0		
New Mykonos	Suspected cause: <u>Grounding and flooding</u> (Likely root cause: human error) - carrying 160,000 tons of coal from Richards Bay to Vizag, it ran aground near Faux Cap, Madagascar on 29 Feb broke in three parts and sank on 8 May 2016.								
	Investigation	report on IMO	GISIS: avail	able on 2017.04	4.17 (15 months)			
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life		
	9138953	25-Feb-16	170082	1997	Panama	NK	0		
New Katerina	Suspected cause: <u>Allision, grounding and flooding</u> (Likely root cause: human error) - carrying iron ore cargo, it struck Canal bank and ran aground in Suez Canal with two pilots on board while transiting in southern direction and sustained considerable damage in its fore part with water ingress.								
	Investigation report on IMO GISIS: available on 2017.04.18 (14 months)								
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life		
	9172961	30-Jul-16	44183	1998	Liberia	BV	0		
Benita	Suspected cause: <u>Grounding</u> (Likely root cause: human error) - not carrying any cargo, it ran aground off Mahebourg on 17 Jun and sank under tow on 30 Jul approximately 93.5 nautical miles from Mauritius.								
	Investigation	report on IMO	GISIS: availa	ble on 2019.04.	.22 (33 months)				

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life		
	9038725	31-Mar-17	266141	1993	Marshall Islands	KR	22		
Stellar Daisy	Reported cause: Flooding (Likely root cause: catastrophic Structural Failure) - The vessel, loaded with a cargo of iron ore from Brazil, sank in South Atlantic shortly after issuing a distress signal. 2 crew members were rescued with 22 missing.								
	Investigation report on IMO GISIS: available on 2019.4.20 (25 months)								
Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life		
	9449261	13-0ct-17	57367	2010	Hong Kong, China	DNV GL	10		
Emerald Star	Reported cause: <u>Unknown</u> (Likely root cause: Unknown) - The vessel, loaded with nickel ore cargo from Buli, Indonesia, sank in the waters East of the Philippines. 16 crew members were rescued with 10 crew members missing.								
	Investigation	report on IMC) GISIS: No						

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life		
No bulk									
carrier casualty reported	Investigation report on IMO GISIS:								

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life
	9245237	20-Aug-19	52378	2002	Indonesia	NK	25
Nur Allya	Reported cause: <u>Sank</u> (Likely root cause: unknown) – with 25 crew and carrying Nickel Ore from Weda island (North Maluku) to Morosi (southeast Sulawesi), Indonesia, Bulk carrier Nur Allya disappeared near Buru Island in Maluku on 20 Aug 2019. Authorities located the missing bulk carrier Nur Allya – 843 metres beneath the ocean, in the eastern 'spice islands' of Maluku in Oct 2019.						
	Investigation	report on IMC	GISIS: No				

Alphabetical list

Name	IMO No.	Incident Date	Deadweight	Built	Flag	Class	Loss of life
Angel 1	8112964	08-Aug-11	34942	1984	Panama	GL	Θ
Atlantik Confidence	9110341	30-Mar-13	27209	1996	Liberia	BV	Θ
B Oceania	8806515	29-Jul-11	38337	1990	Malta	Unknown	Θ
Benita	9172961	30-Jul-16	44183	1998	Liberia	BV	0
Bright Century	9138977	02-May-10	187839	1997	Hong Kong	NK	0
Bright Ruby	8604474	21-Nov-11	26589	1987	Korea	NK	6
Bulk Jupiter	9339947	02-Jan-15	56009	2006	Bahamas	NK	18
Costis	8316314	22-Mar-11	29112	1984	Panama	NK	0
Emerald Star	9449261	04-Jul-17	57367	2010	Hong Kong, China	DNV GL	10
Fu Sheng Hai	9071703	02-Jul-13	52580	1993	Panama	RINA	0
Goodfaith	9076404	11-Feb-15	27308	1994	Cyprus	NK	0
Harita Bauxite	8103664	17-Feb-13	48891	1983	Panama	RINA	15
Hong Wei	9230139	03-Dec-10	50149	2001	Panama	NK	10
Jian Fu Star	8106379	27-0ct-10	45108	1983	Panama	ABS	13
Jiang Quan 6	9614804	08-Aug-15	29988	2013	China	CCS	0
Jianmao 9	7518915	09-Nov-10	34456	1976	Panama	ВКІ	0
John 1	8902486	15-Mar-14	42263	1991	Panama	ABS	0
Jui Hsing	7400041	03-0ct-11	18955	1974	Panama	PMDS	10
Los Llanitos	9045912	24-0ct-15	71665	1993	Mexico	ABS	0
Mirach	8116881	01-Apr-11	27192	1982	Panama	ABS	Θ
Nasco Diamond	9467861	10-Nov-10	56893	2009	Panama	CCS	22
New Katerina	9138953	25-Feb-16	170082	1997	Panama	NK	0
New Mykonos	9135688	20-Jan-16	161121	1997	Panama	KRS	0
Nur Allya	9245237	20-Aug-19	52378	2002	Indonesia	NK	25
Ocean Breeze	9309667	16-Aug-12	52289	2006	Hong Kong	NK	0
Oliva	9413705	16-Mar-11	75208	2009	Malta	Unknown	0
Oriental Hope	8315308	12-Apr-10	87221	1984	Korea	KR	0
Pacific Carrier	8417637	28-Aug-12	77458	1986	Korea	KR	0
Panama Trader	9003108	08-Mar-15	69338	1990	Panama	LR	0
Rainbow	8106020	18-Jul-11	33109	1982	Belize	BV	0
Rak Carrier	8106745	04-Aug-11	36196	1984	Panama	LR	0
Rich Forest	8126135	19-Jan-14	21317	1982	Panama	Intermarine	Θ
Rio Gold	8408521	05-May-13	39695	1984	Malta	NK	Θ
Smart	9137959	19-Aug-13	151279	1996	Panama	NK	Θ
Stellar Daisy	9038725	01-Apr-17	266141	1993	Marshall Islands	KR	22
Sunny Partner	8409800	26-Jun-11	152329	1987	Panama	Unknown	Θ
Thermopylae Sierra	8313075	23-Aug-12	24779	1985	Cyprus	JRB	Θ
Trans Summer	9615468	14-Aug-13	56824	2012	Hong Kong	BV	Θ
Vinalines Queen	9290907	25-Dec-11	56040	2005	Vietnam	NK	22



INTERCARGO – Who we are

Uniting and Promoting Quality Dry Bulk Shipping

The International Association of Dry Cargo Shipowners (INTERCARGO) is representing the interests of quality dry cargo shipowners. INTERCARGO convened for the first time in 1980 in London and has been participating with consultative status at the International Maritime Organization (IMO) since 1993.

> INTERCARGO provides the forum where dry bulk shipowners, managers and operators are informed about, discuss and share concerns on key topics and regulatory challenges, especially in relation

INTERCARGO is committed to safety and quality in ship operations, with a focus on operational efficiency and the protection of the marine environment to safety, the environment and operational excellence. The Association takes forward its Members' positions to the IMO, as well as to other shipping and international industry fora, having free and fair competition as a principle.

INTERCARGO's initiatives aim at a safe, efficient, high quality and environmentally friendly dry bulk shipping industry. Although several topics on INTERCARGO's agenda are of broader concern to international shipping, INTERCARGO always views them from the angle of dry bulk shipping, bringing forward solutions that correspond to the idiosyncrasies of our sector.

INTERCARGO's working programme is outlined below:

SAFETY - SECURITY

ENVIRONMENT – QUALITY

REGULATION

Cargoes, "Liquefaction"	Ballast Water	International Maritime			
Design & Construction,	Coatings	Organisation (IMO)			
Machinery & Operations	– Emissions	Other Legislation			
Class & Statutory Rules	– Green House Gas - CO,	Miscellaneous Issues			
Cargo Gear	emissions				
Hatch Covers	Sulphur Cap, SOx and				
Loading Rates	Particulate Matter (PM) emissions				
Incidents & Casualties	- Other emissions (NOx,				
Life Saving	Black Carbon)				
Piracy	Ports & Terminals				
Cyber Risks	Reception Facilities				
	Port State Control and Transparency				
	Corruption, Criminalisation				
	Training, Manpower & Human Element				

For more information on each topic please visit <u>http://intercargo.org</u> and navigate TOPICS in the main menu.

Annual fees for 2020

Full Member

– GBP 4,500 for 1 to 5 ships and GBP 350 for each sixth and subsequent ship up to a capped maximum of GBP 21,000

Consociate Member

- Half the fees that would be paid as a Full Member

Associate Member

– GBP 1,250.

Members joining after the start of the membership year (1st January) are entitled to an initial pro-rata membership fee.

For the latest updates about joining INTERCARGO please visit <u>www.intercargo.org/join/</u>

Enquiries regarding joining should be sent to the Secretariat at info@intercargo.org

INTERCARGO – Membership

There are three categories of membership within INTERCARGO namely Full, Associate and Consociate which are categorised as follows:

Full Member

Any company that owns, operates or manages dry bulk carriers of 10,000 dwt and above.

Consociate Member

Any company that owns, operates or manages dry bulk carriers below 10,000 dwt

Associate Member

Any entity that provides goods or services to the dry cargo shipping industry.

Benefits to All Members



- Being part of an Association dedicated to quality, safety and the environment.
- Receiving circulars of dry bulk shipping specific information.
- **Opportunities to meet** fellow Members at the Association's meetings in Europe and Asia.
- Special invitations / discounted access to industry events is regularly offered. Please visit intercargo.org/news/category/member-news
- A free hardcopy of the latest Bulk Carrier Benchmarking report is offered to each Member. For Publications please visit <u>intercargo.org/</u> <u>news/publications</u>
- Advertising opportunities in some of the Association's publications and by priority on its website at reduced rates. Please visit <u>intercargo.org/</u> <u>advertising-intercargo-website</u>
- **Opportunities to present** at the Association's events (subject to invitation).
- Access to the Association's website: <u>www.intercargo.org</u> (some sections are reserved for Full Members).

Full Membership Benefits

INTERCARGO's brochure available at <u>intercargo.org/join</u> outlines the benefits of Membership, which for Full Members more specifically include:



- Companies and Ships registered with INTERCARGO arguably enjoy a
 Quality badge widely recognised by the industry as ship performance acceptance criteria apply among other. Along with a Company
 Certificate and a Membership logo, a Vessel Certificate is provided for each registered vessel. Entered ships are tagged on Equasis as registered with INTERCARGO. Vessel membership with INTERCARGO is displayed on the vessel dashboard of RightShip Qi.
- Members are invited to appoint a representative in INTERCARGO's **Executive Committee** and can be eligible for a representative in the Technical Committee (conditions apply). Details can be found in our Constitution / section "Management" at: <u>intercargo.org/constitution</u>
- The Secretariat represents the Association at IMO, the Round
 Table of Shipping Associations, IACS, the Tripartite Forum and other
 international shipping fora.
- Members are invited to the INTERCARGO hosted events (2 semi-annual Committee meetings, seminars etc). Please visit <u>intercargo.org/about/</u> <u>meetings</u>
- For INTERCARGO's feedback and reporting schemes, please see intercargo.org/members-reporting-surveys
- Ad-hoc Circulars via emailing inform on issues such as cargo updates & alerts on any new developments in the industry.
- **Experience sharing** / (anonymous) consultation within our Membership is our practice, when possible, on reported issues of concern (on cargoes, ports, etc) in order to provide informed feedback.
- Full access to the Association's Website (intercargo.org).
- **Special invitations** / discounted access to industry events is regularly offered. Please visit <u>intercargo.org/news/category/member-news</u>
- About **Publications** please visit <u>intercargo.org/news/publications</u>. A free hardcopy of the latest Bulk Carrier Benchmarking report is offered to each Member.
- Advertising opportunities in the Association's publications and by priority on its website at reduced rates.
 Please visit intercargo.org/advertising-intercargo-website.

INTERNATIONAL ASSOCIATION OF DRY CARGO SHIPOWNERS

4th Floor, 123 Minories, London EC3N 1NT, U.K.

Phone: +44 (0)20 8106 8480 E-mail: info@intercargo.org Web Site: www.intercargo.org You may follow INTERCARGO on LinkedIn at linkedin.com/company/intercargo



Contact Us

4th Floor, 123 Minories, London EC3N 1NT, U.K. Phone: +44 (0)20 8106 8480 Email: info@intercargo.org

Bulk Carrier Casualty Report

Years 2010 to 2019 and trends

