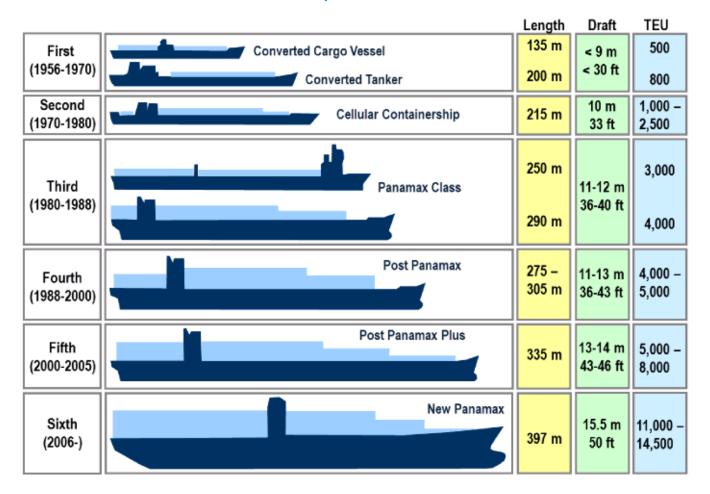
Large ships, salvage and Landmark

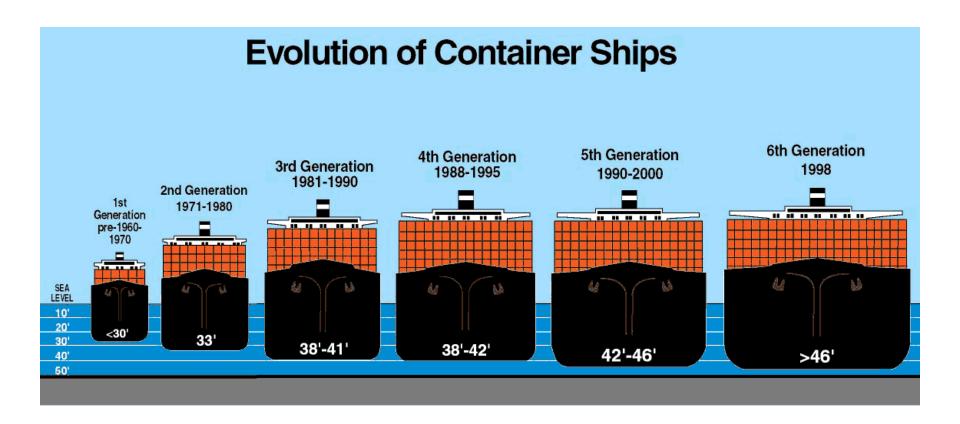
- Modified, with permission, from a presentation given at IUMI 2012 by Pete Townsend of Swiss Re
- Presentation by Jonathan Spencer of JSSUSA.com The Spencer Company at Marine Insurance Day, New York, October 5th 2012



Growth of containerships



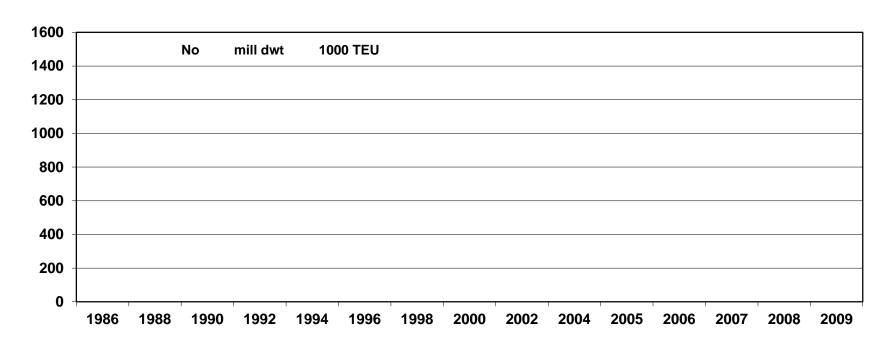






Container Fleet Development

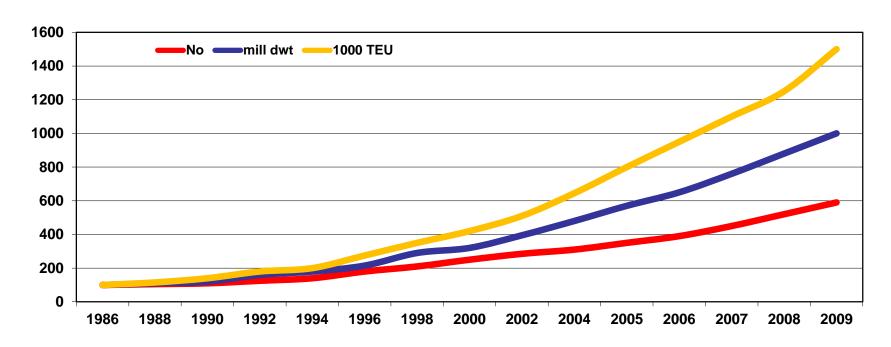
As of January 1st, 1986 - 2009 (Index 1986 = 100)





Container Fleet Development

As of January 1st, 1986 - 2009 (Index 1986 = 100)





MSC Fabiola enters San Francisco bay 21st March 2012



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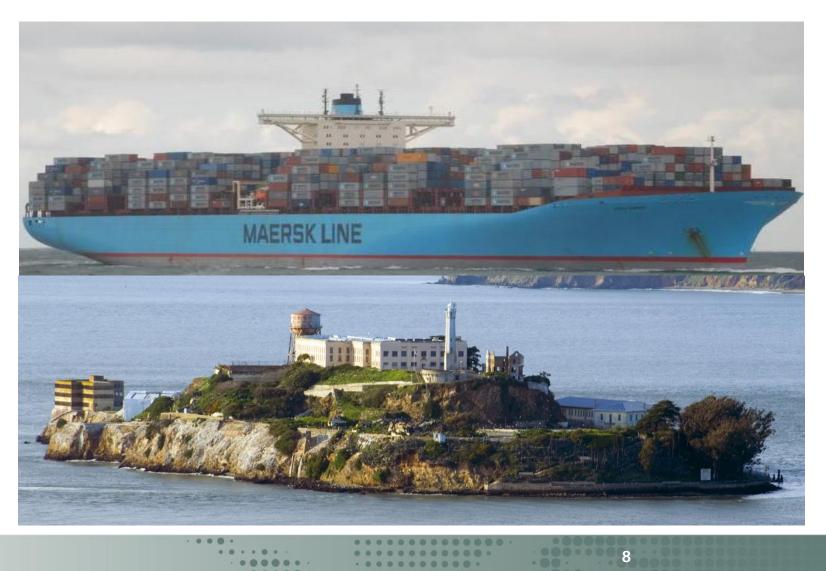
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How big.....?



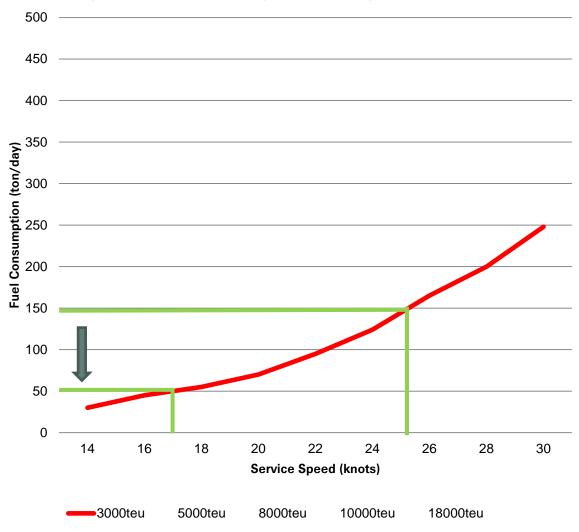






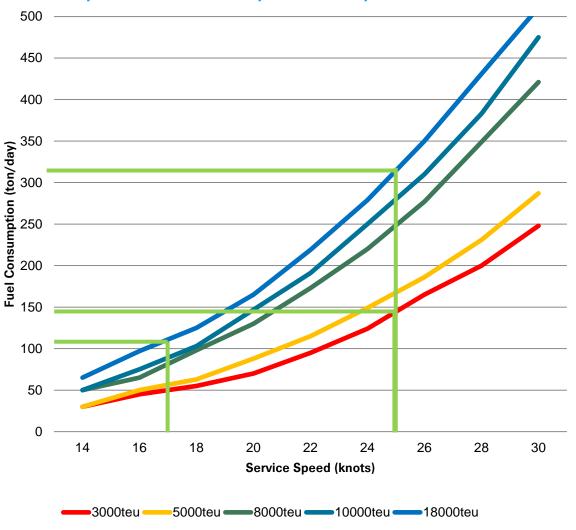


Fuel Consumption Tons per Day





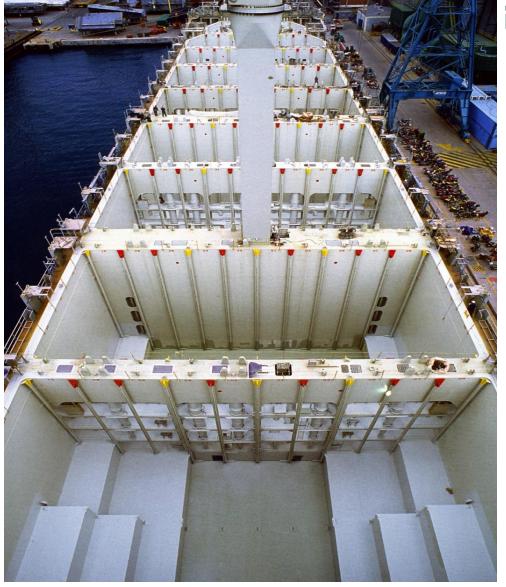
Fuel Consumption Tons per Day



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Problem?

What problem?



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APL Panama (Ensenada - Christmas Day 2005)

Swiss Re



- 4,038 TEU
- 1,805 containers on board
- 52,250 dwt
- LOA 261 metres
- Breadth 32.25 metres (13 containers across)
- Draught 12.52 metres

APL Panama (Ensenada - Christmas Day 2005)





APL Panama (Ensenada - Christmas Day 2005)



- Grounded Dec 25th 2005 Refloated March 10th 2006
- Almost no damage
- 1805 containers on board Approx. 1,300 discharged
- 1,445 cargo interests
- Approx. 1,600 adjuster man hours

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Realistic Disaster Scenario



Comparisons

APL Panama

DWT 52,250

TEU across 13

TEU 4,038

(TEU 1,805 on board)

1,445 cargo interests

1,600 adjuster man hours

Not completely adjusted 5 year later

Ultra Post Panamax

DWT 157,000

TEU across 22

TEU 15,000

(say 75% laden - 11,250 o/board)

9,006 cargo interests ????

9,972 adjuster man hours????

5 man years to adjust !!

Help!!!!!!

USD 68, million GA

USD ??? million GA

Swiss Re

LOF awards (source - Lloyds.com)

Year	New cases	Ship	Cargo	Other	Total	% Award/values
2001	108	\$50.9	\$107.6	\$2.5	\$161.0	16.7
2002	104	\$81.5	\$173.3	\$6.6	\$264.4	14.2
2003	89	\$72.8	\$94.0	\$2.3	\$169.1	14.7
2004	91	\$47.1	\$93.9	\$3.9	\$144.9	9.9
2005	109	\$64.5	\$119.8	\$1.3	\$181.6	7.8
2006	80	\$53.7	\$31.6	\$0.5	\$85.8	13.6
2007	107	\$172.6	\$210.6	\$9.5	\$392.7	14.8
2008	83	\$203.8	\$92.0	\$3.6	\$299.4	7.1
2009	122	\$161.2	\$401.0	\$8.9	\$571.1	20.4
2010	111	\$26.9	\$37.7	\$1.3	\$65.9	14.4





Realistic Disaster Scenario (courtesy of Rogers Wilkin Ahern)

Assumptions:

- 18,000 teu capacity containership, fully laden
- Average container value \$30,000
- Cargo value \$540,000,000
- Ships sound value assessed at \$190,000,000
- Lloyds' Open Form Salvage awards 15-20%





Realistic Disaster Scenario (courtesy of Rogers Wilkin Ahern)

- Overall venture value \$730,000,000 +/-
- LOF 15% = \$109,500,000 (+ interest and costs)
- With Additional GA sacrifice and expenditure a total of \$200,000,000 or more could be anticipated
 - Plus hull PA?
 - Plus cargo PA?
 - Removal of wreck?

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It'll never happen though......

CMA CGM Libra grounded off Port of Xiamen



UASC Al Rawdah grounded off Batu Berhanti, Indonesia



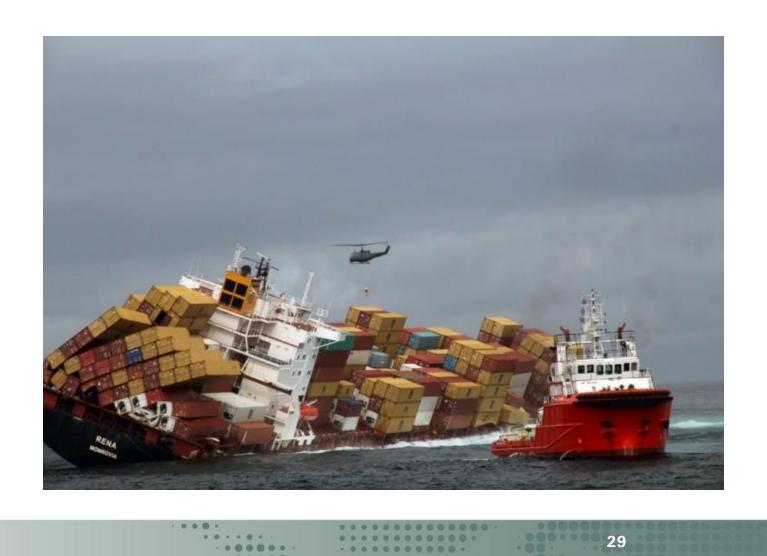


MSC Luciana engine trouble and grounded leaving Antwerp



Rena grounded off New Zealand



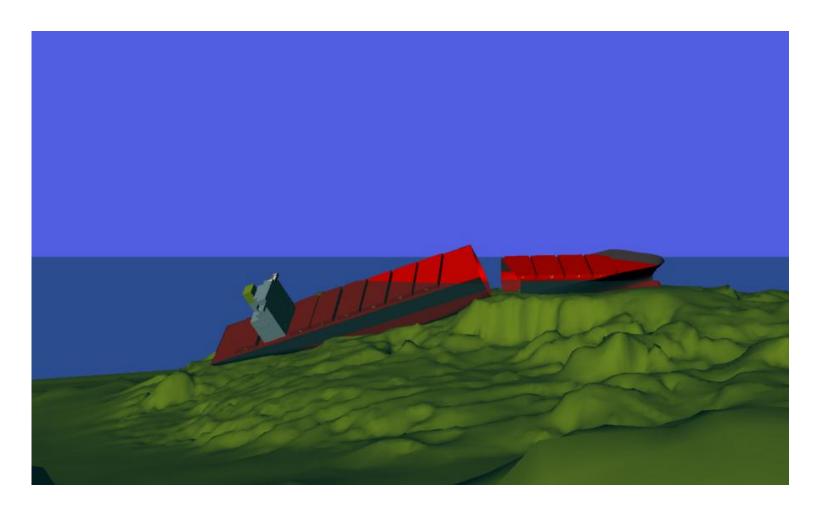


5th April 2012





Rena as at 5th April 2012





5th April 2012 – 6 months after the casualty

- Big date
- 547 above deck, 821 underdeck
- 1,368 containers on board
- 684 in total removed
- **50**%
- Removal rate 1-2 per day



Bareli Grounded off Fuqing, China





Bareli Grounded off Fuqing, China

- 2004 built
- 42,300 dwt
- 3,091 teu capacity
- 1,913 containers on board

Buenos Aires Express – fire off Brazil



Buenos Aires Express

- 2000 Built
- 68,122 dwt
- 5,447 teu capacity
- Fire in engine room
- Reefer cargo expected to be a total loss
- 20 day tow commenced 25th March a month after casualty

Vale Beijing -7th December





Vale Beijing

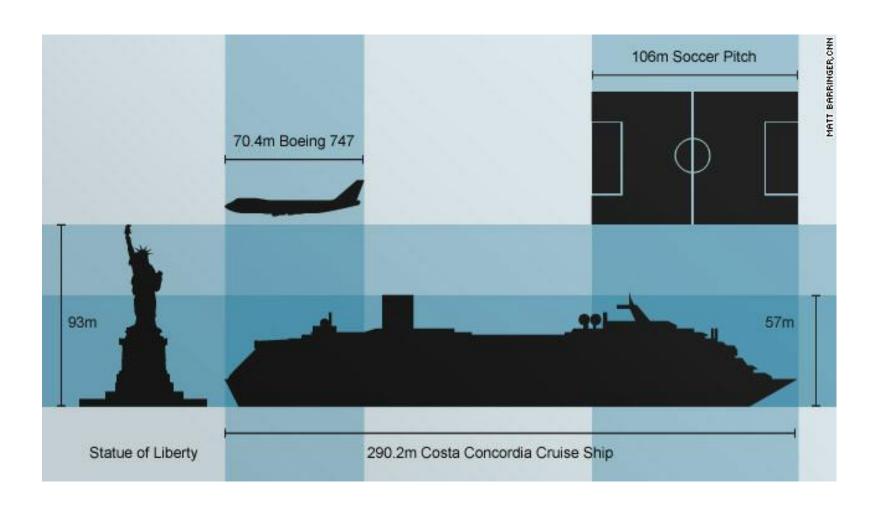
Time to complete cargo transfer?	50 days
PA Claim?	USD 5 million approx
GA?	USD 32 million approx
Ships proportion to GA?	USD 22 million approx
Claim to hull underwriters?	USD 27 million (of which < 20% PA)

.



Costa Concordia – right way up





Comparison

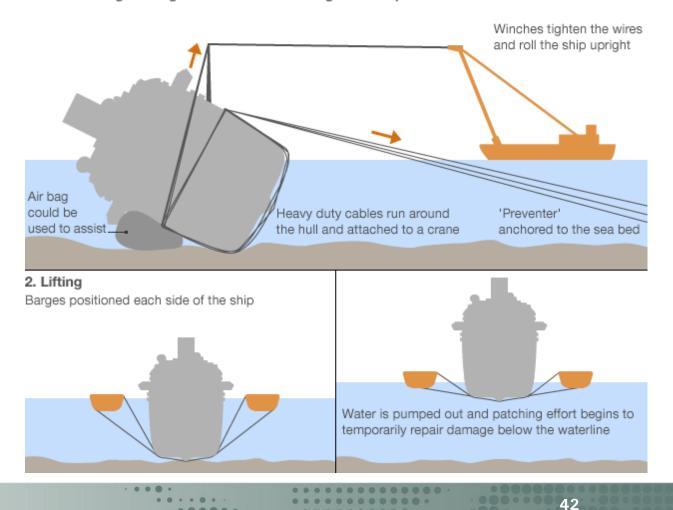
	Costa Concordia	Allure of the Seas
LOA	290m	360m
GRT	114,500	120,000
Number of pass decks	13	16
Passengers	3,700	5,400
Crew	1,100	1,800
Deaths	34	N/A

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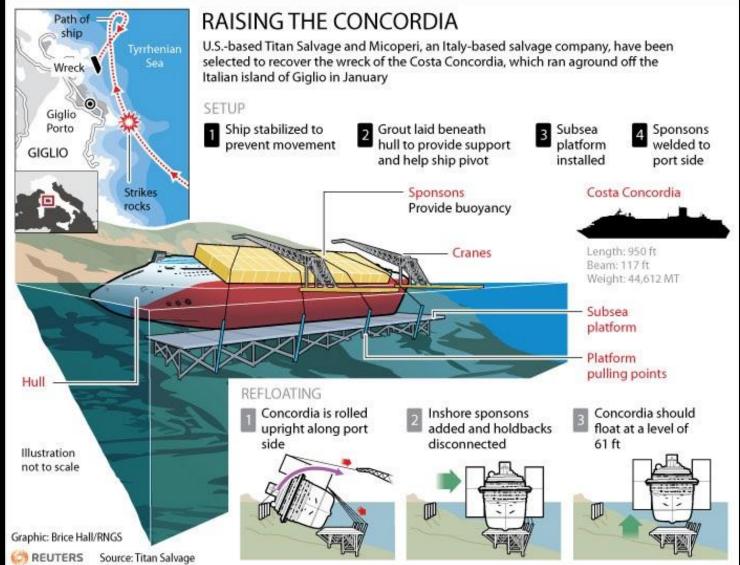


How the Costa Concordia could be salvaged

1. 'Parbuckling' - using crane and cables to right the ship









Landmark consortium

- Shipowner assumes cargoes proportion to GA/salvage guarantees
- Only in respect of container ships
- Notional value per container, \$30,000
- Limit \$500,000,000 (being 16,666 teu x \$30,000)
- 1 guarantee for cargo interests
- Enables immediate release of undamaged containers at safe port
- Consolidated and uninsured containers covered



Why would carrier want to buy?

- Never call GA or demand guarantees from Freight forwarder, consignee or consignor
- Very small surcharge per container

Stakeholders

Stakeholder	Rationale				
Shipowners	 Reduced administration costs Speedier resolution Great selling point for clients with no detention No longer have to organize and collect counter guarantee 				
Salvors	 No longer have to collect guarantees from each cargo party Quicker resolution time 				
Uninsured cargoes	 No longer have to provide security for each GA/Salvage guarantees 				
Adjusters	 Adjusters are spared the time-consuming collection and calculations for thousands of interests and can concentrate on the higher level work of determining the adjusting principles and quantum involved in the casualty. 				
Insurers	Simplified productLess costs to adjust				

Large ships, salvage and Landmark

• Questions?
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