



National Research  
Council  
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Conseil National de  
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Institute for Ocean  
Technology

Institut des Technologies  
Océaniques

## Ship-Iceberg Collision Incident Report



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### Vessel Characteristics

<b>Name:</b> Carnival Spirit	<b>Prime Mover:</b> Diesel Electric
<b>Flag:</b> Panama	<b>Transmission:</b> Electric
<b>ASPPR Ice Class:</b> None	<b>Power (kW):</b> 62370
<b>Lloyd's Class:</b> 100A1	<b># Propellers:</b> 2
<b>Baltic Class:</b> Unknown	<b>Prop. Type:</b> Azimuth Thrusters
<b>Vessel Type:</b> Passenger	<b>Service Speed:</b> 22
<b>Owner:</b> Carnival Lines	<b>Stern Form:</b>
<b>Registered Country:</b> Finland	<b>Steel Grade:</b> Unknown
<b>Year of Manufacture:</b> 2001	<b>Miscellaneous Vessel Notes:</b>
<b>Bow Shape:</b> Unknown	2,680 passenger cruise liner
<b>Stem Angle:</b>	
<b>Dimensions (m):</b>	<b>Mass (tonnes):</b>
<b>Length:</b> 292.5	<b>Gross:</b> 85900
<b>Beam:</b> 38.8	<b>Net:</b>
<b>Depth:</b> 13.6	<b>Dead:</b>

### Collision Details

<b>Date:</b> 01-Jun-2005	<b>Air Temperature:</b>
<b>Visibility (nautical miles):</b>	<b>Water Temperature:</b>
<b>Visibility:</b> Unknown	<b>Wind Speed:</b>
<b>Visibility - Fog:</b> Unknown	<b>Wave Height:</b>
<b>Visibility - Snow:</b> Unknown	<b>Sea State:</b> Unknown
<b>Visibility - Light:</b> Unknown	
<b>Collision Speed:</b>	
Kerwin Place P.O. Box 12093 St. John's, Newfoundland A1B 3T5 Fax:(709) 772-2462	Place Kerwin C.P. 12093 St. John's, Terre-Neuve A1B 3T5 Télécopieur:(709) 772-2462



## Damage Details

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<b>Damage Sustained:</b> Yes	<b>Damage Report No. :</b>
<b>Scenario:</b> Glancing Blow	<b>Steel Failure Type:</b> Unknown
<b>Severity:</b> Denting	<b>Size - Length (m):</b>
<b>Location:</b> Propeller	<b>Size - Height (m):</b>
<b>Code:</b> Propulsor	<b>Damage Below WL (m):</b>
<b>Length of Downtime:</b>	<b>Damage Above WL - Height (m):</b>
<b>Cost of Downtime:</b>	<b>Damage Above WL - Length (m):</b>
<b>Cost to Repair:</b>	
<b>No. Lives Lost:</b> 0	
<b>No. Injuries:</b>	<b>Cause of Deaths/Injuries:</b> Unknown
<b>Cargo Loss:</b> No	
<b>Pollution:</b> No	<b>Pollution Potential:</b> No

### Cause of Damage:

While on cruise in Alaskan Fiords is said to have struck a bergy bit or growler. Remains unconfirmed by USCG.

### Damage Description:

Bent a blade, or blades of starboard propeller of azipod unit causing excessive vibration and the need to shut down the propulsor. The reduced speed prevented a subsequent cruise from meeting itinerary to great disappointment to passengers. Blade was hydraulically bent back to shape by divers in Juneau.  
"My wife and I were on the Carnival Spirit that departed Whittier on 8 June. I would like to first state some facts and hopefully this will answers some of your questions. The ship DID NOT have an engine problem. The

## Ice Details

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**Ice Briefing Received:** Unknown

**Iceberg Population:**

**IIP Iceberg Number:**

**Sea Ice Concentration:**

**Position of Nearest Known Iceberg:**

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**Iceberg Shape:** Unknown

**Latitude:** 0 ' " N

**Iceberg Size:** Unknown

**Longitude:** 0 ' " W

**Length:**

**Date of Observation:**

**Width:**

**Iceberg Tonnage:**

## Route Details

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**Geographic Area:** Alaskan Waters

**Origin:** Vancouver

**Collision Latitude:** 0 ' " N

**Destination:** Whittier, Alaska

**Collision Longitude:** 0 ' " W

**Distance:**

**Locale Accuracy:** Unknown

**Cargo at Event:** Passengers

**Voyage:**

**Displacement:**

**Draft FWD (m):** 8

**Captain's Experience:** Unknown

**Radar Equipped?:** Unknown

**Radar Details:**

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