

1 September Marine Accidents Overview (2014-2018)

□ **A running total of 1,146 accidents were reported for September over the past five years.**

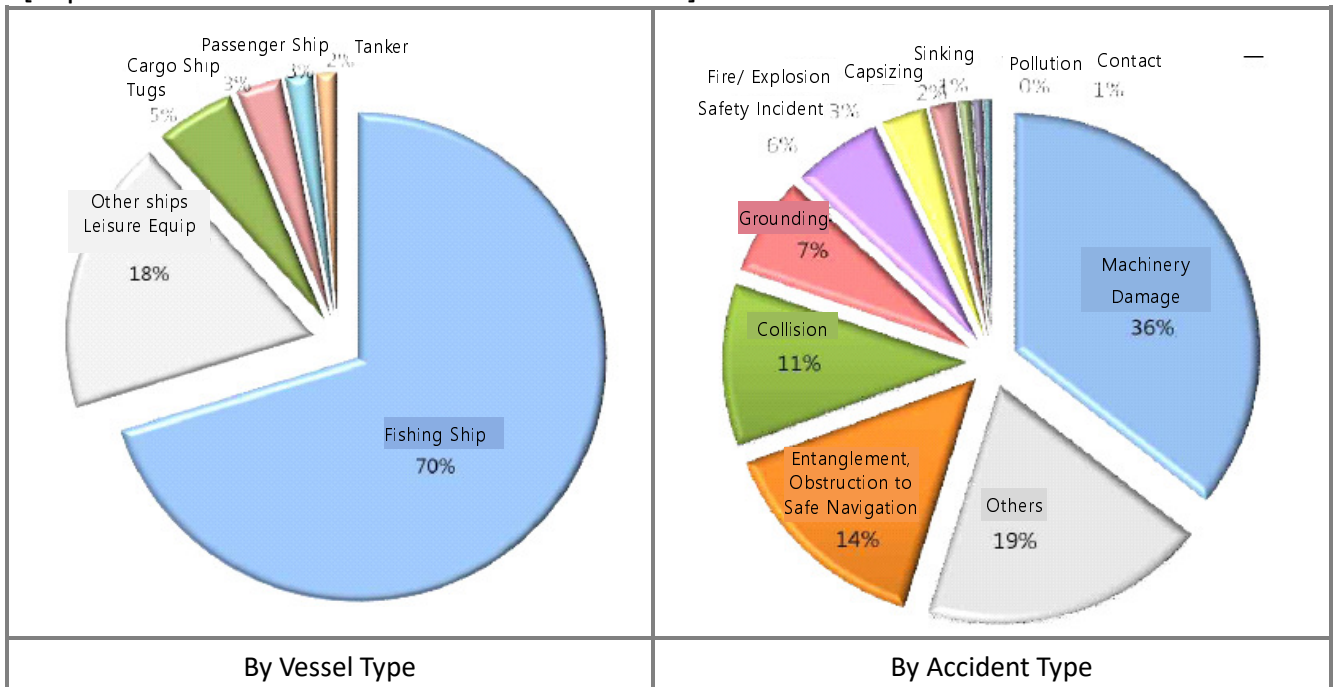
| Month | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|----------|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|
| Accident | 745 | 558 | 720 | 776 | 959 | 974 | 949 | 1020 | 1146 | 1176 | 999 | 971 |

□ **September has the highest rate of collision accidents -- all vessels must remain vigilant about their surroundings and fully comply with navigation requirements.**

(229 accidents for September compared to 183 for average month)

- By ship type, fishing ships were most frequently involved in accidents (904 occurrences), followed by water leisure equipment and other type ships (236), tugs/barges (68), cargo ships (39), passenger ships (23) and tankers (18). (Total 1,288 vessels)
- By accident type, machinery damage was most common (410), followed by obstruction to safe navigation (167), collision (127), grounding (77), safety incident (69), fire/ explosion (35), capsizing (20), sinking (10) and contact (8).

[September accidents statistics over 2014-2018]



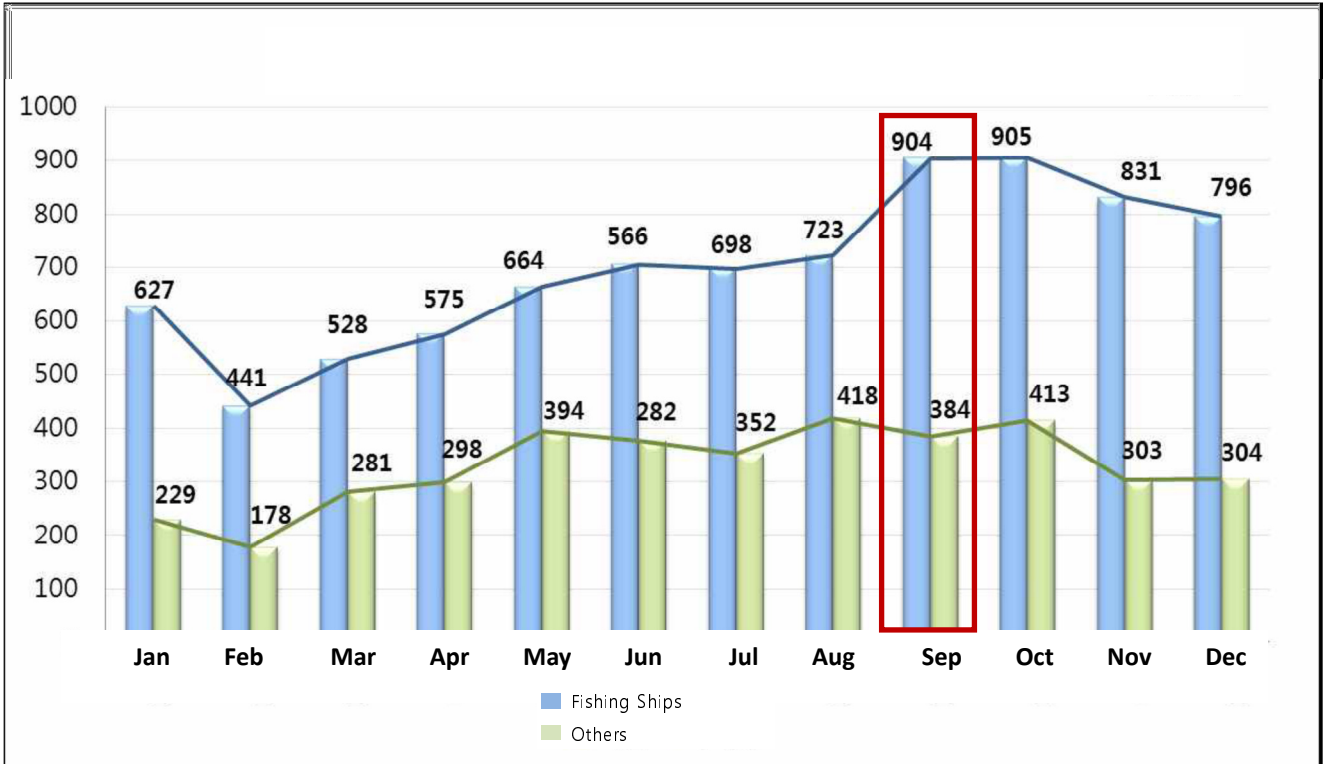
* **Collision** monthly figure (2014-2018)

| Month | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Occurrence | 97 | 49 | 80 | 76 | 83 | 92 | 86 | 97 | 127 | 119 | 117 | 111 |

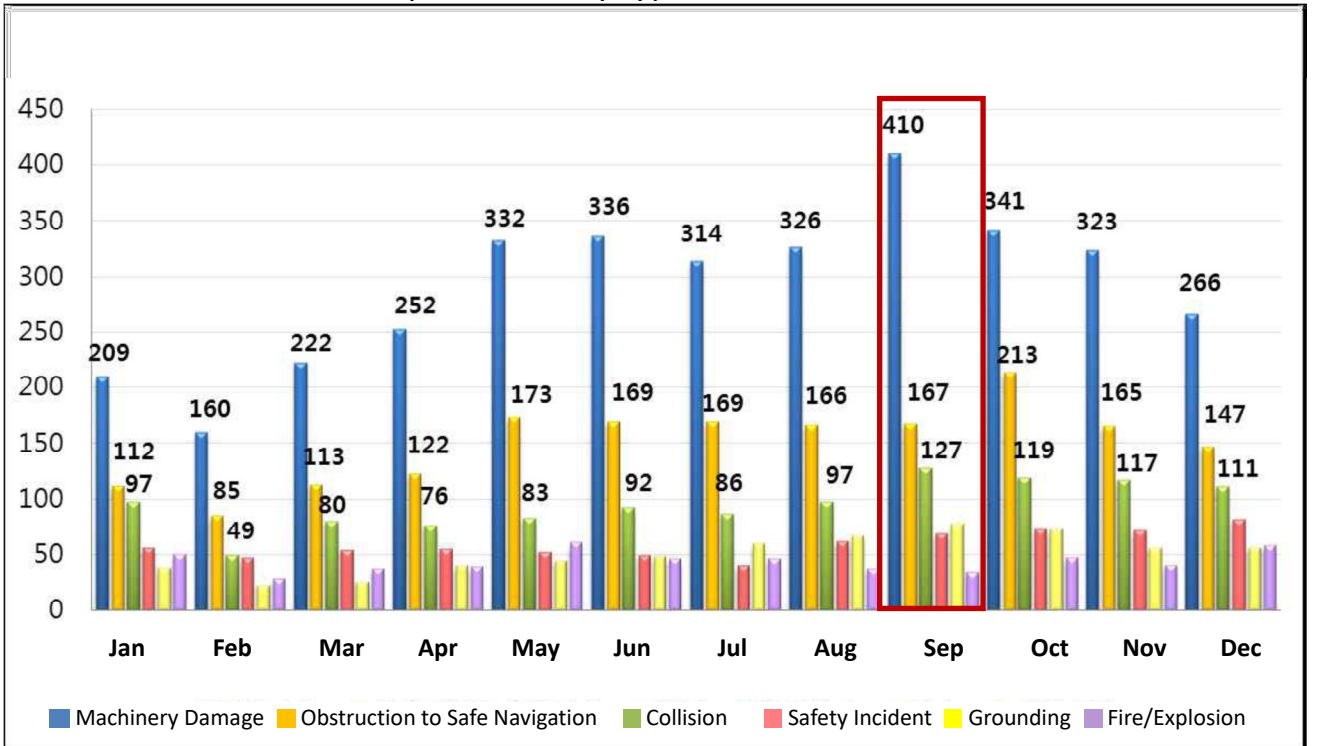
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Marine Accident Statistics (2014-2018)

1. Number of accidents per month by type of vessel



2. Number of accidents per month by type of accident



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September Marine Weather Summary

- South Korea Sea Wave Characteristics for September (2014-2018)
 - 1st-10th: slightly high waves off the eastern and western parts of the south coast and the coast of Jeju; low waves on all other coasts
 - 11st-20th: slightly high waves off the eastern and western parts of the south coast, southern and central parts of the east coast, and the coast of Jeju; low waves on all other coasts
 - 21st-31st: slightly high waves off the eastern and western parts of the south coast, southern part of the east coast, and the coast of Jeju; low waves on all other coasts
- Number of days with high waves warning (2014-2018)
 - September: average 4.9 days (1.4 days/ 1.8 days/ 1.7 days respectively for early/mid/late September)
 - an increase of 1.3 days from 3.6 days for August

(Source: Korea Meteorological Administration)

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September Fishing Forecast

