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JTSB Digests (Research & Analysis Report)

For the promotion of transport safety, the Japan Transport Safety Board publishes digests which includes the outline of investigation reports, the lessons learned from accident/incident investigations.

Digest of Marine Accident Analyses For prevention of "Fatal and Injury Accidents Caused by Oxygen Deficiency or Gas Poisoning"

< Issued in December, 2013 >



Full text [PDF:1.10MB]

- 1. Preface(P1) [PDF:143KB]
- 2. Statistics(P2-3) [PDF:116KB]
- 3. Case Studies of Serious Accidents (4 Cases)
  - Case 1(P4-6) [PDF:268KB]
    - A crew member who inhaled chloroform gas while checking the condition inside a cargo tank became unable to breathe and died of hypoxia
  - Case 2(P7-8) [PDF:202KB]
    - A crew member who was engaged in cargo unloading entered a cargo tank and died of suffocation caused by oxygen deficiency
  - Case 3(P9-10) [PDF:414KB]
    - After completing the unloading of chloroform, a crew member inhaled chloroform gas and lost consciousness in a ballast pump room
  - Case 4(P11-13) [PDF:288KB]
    - Two crew members died by inhaling hydrogen sulfide gas generated inside a slop tank
- 4. Safety Actions Taken in Response to the Recommendations and Opinions(P14-15) [PDF:115KB]
- 5. Summary (Conclusion)(P16) [PDF:92KB]

Digest of Aircraft Accident Analyses For Prevention of Small Aeroplane Accidents

< Issued in April, 2013 >



Full text [PDF:1.84MB]

- 1. Preface(P1) [PDF:111KB]
- 2. Statistics(P2-4) [PDF:183KB]
- 3. Case studies of Accidents (3 Cases)
  - Case 1(P5-6) [PDF:304KB]
    - Flew into the mountain slope on the route during its in-cloud climb with a low climb rate
  - Case 2(P7-9) [PDF:578KB]
    - Loss of visual contacts with the ground and following failure to maintain minimum safe altitude during a VFR flight led to the aircraft's crash into the tree canopies on the ridge
  - Case 3(P10-11) [PDF:220KB]
    - The aircraft bounced during the landing at the airport, which led to the damage of propellers and fuselage structure.
- 4. Conclusion(P12) [PDF:109KB]