

Article

Analysis of ship accident resulting from bad weather conditions in the port of Khor Al-Zubair, Iraqi crane accident Aba Thar: a case study

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Available from: <http://dx.doi.org/10.21931/rb/2023.08.01.49>

ABSTRACT

The Arabian Gulf region is regarded as one of the world's most significant commercial areas, with large-scale and continuous marine shipments of commodities and goods to and from the Gulf. Iraqi ports are one of the most important ports in the Gulf, and they are a vital source of revenue for the Iraqi economy because of the money they bring in, as any stoppage of operations or damage to the ports may lead Iraq to lose a significant amount of money and halt shipping operations. Maritime accidents are one of the most significant concerns that have resulted in the suspension of maritime navigation and loading and unloading activities in Iraqi ports since there are various forms of marine accidents and many causes. With this study, we will look at maritime accidents caused by bad weather, as there have been many recent marine mishaps and ship collisions caused by bad weather, resulting in the loss of life and equipment and halting marine activities. We'll look at a few incidents, the meteorological conditions that contribute to them, and the link between them and the most likely cause of the accident. We will study an accident that occurred in the port of Khor Al-Zubair in 2018, which is considered one of the most important ports of Iraq, as it contains berths for importing and exporting goods, as well as on many of the Iraqi oil export berths, the accident of the Iraqi crane, Aba Thar. This report advises Iraqi port officials to limit activity in severe weather to reduce accidents that lead to loss of life and equipment and significant economic losses to the country.

Keywords: Khor Al-Zubair, Maritime accidents, Aba Thar, Bad weather, The Arabian Gulf

INTRODUCTION

The Arabian Gulf is a tropical arm of the Arabian Sea surrounded by eight countries: Iran, Iraq, Kuwait, Saudi Arabia (SA), Bahrain, Qatar, the United Arab Emirates (UAE), and Oman. It has a surface area of 239,000 km², an average depth of 36 meters, and a volume of 8,630 km³ on average¹. The Arabian Gulf is considered to have the world's greatest oil reservoir². It covers 239,000 km², with