The Use of Heavy Fuel Oil in Arctic Shipping



In 2015 in the Arctic

889 HFO-fueled ships

3.6M nautical miles 830K tonnes of fuel onboard 250K tonnes of HFO



Heavy Fuel Oil (HFO) is the residual waste of the petroleum refining process. It is extremely viscous and virtually impossible to clean up in the case of a spill.

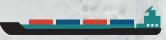


Black Carbon (BC) is a critical contributor to human-induced climate warming, especially in the Arctic, and the combustion of HFO produces high levels of BC emissions.

HFO-fueled Arctic ships include:







bulk carriers



fishing vessels



cruise ships









134,000 tonnes consumed



Cargo ships, oil tankers, and cruise ships consumed 55% of the HFO used by ships in the Arctic in 2015









248,000 tonnes of HFO onboard



Bulk carriers, container ships, and oil tankers carried 57% of the HFO used by ships in the Arctic in 2015











2074 million t-nm of HFO



Cargo ships, oil tankers, and fishing vessels accounted for 56% of the distance-weighted fuel carriage by ships in the Arctic in 2015

