



THE FOSS FLEET

INNOVATING TO MEET CUSTOMER DEMAND SINCE 1889









Since being founded in 1889, Foss Maritime has been dedicated to industry innovation and expanding and enhancing our fleet to serve customers. From introducing the first naphtha launches and diesel tugboats, to developing the first Tractor tugs and one-of-a-kind hybrid tugs, Foss has been focused on optimizing our fleet from the very beginning. Today, we continue to build, design and add state-of-the-art new vessels to our fleet, while relocating assets to key locations, and acquiring other quality assets and equipment.

EXPANDED CAPABILITIES IN MORE LOCATIONS

Foss continues to grow its fleet with the newest and most capable vessels in the industry by developing new ASD-90 tugs, new Kāpena Class tugs in Hawaii and putting to use new and familiar assets in Alaska.

Introducing new tugs, selling older vessels and bringing in new assets allows Foss to optimize our harbor fleet size and reduce charter, maintenance, and repair expenses, while improving vessel reliability. In addition, this helps Foss offer expanded and strengthened capabilities in more locations.

A FEW OF THE VESSELS ADDED TO THE FOSS FLEET

Vessel Name	LOA (ft)	Breadth (ft)	Draft	BHP	Bow Winch	Tow Winch	Bollard Pull (Ahead)
 Connor Foss	65	18.8	4.3	1,430			
 Michele Foss	123	31	20	7,268	Markey WEWD-23	Markey TDSD-41 double drum	221,000
 Nicole Foss	123	31	20	7,268	Markey WEWD-22	Markey TDSD-41 double drum	216,344
 Denise Foss	123	31	20	7,268	Markey WEWD-24	Markey TDSD-42 double drum	216,343
 Kāpena Jack Young	112.6	33.4	15.15	6,027	N/A	Markey TESD-34 AUL-100HP, electric	160,000
 Kāpena George Panui	112.6	33.4	15.15	6,027	N/A	Markey TESD-34 AUL-100HP, electric	160,000
 Kāpena Raymond Alapa'i	112.6	33.4	15.15	6,027	N/A	Markey TESD-34 AUL-100HP, electric	160,000
 Kāpena Bob Purdy	112.6	33.4	15.15	6,027	N/A	Markey TESD-34 AUL-100HP, electric	160,000

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NEW VESSELS & ACQUISITIONS

THE NEXT WAVE IN VESSEL DESIGN

Beginning in 2019, four ASD-90 tugs will be added to the Foss Fleet. Designed by Jensen Maritime Consultants of Seattle, and built at Nichols Brothers Boat Builders of Freeland, WA, the vessels will meet Tier IV standards, using high-efficiency catalytic after-treatment technology to reduce emissions.



HAWAIIAN FLEET EXPANSION

The *Kāpena Jack Young* was the first new Kāpena class tugs built for Hawaii-based Young Brothers, an independent subsidiary of Foss. The new class of tugs improved the company's ability to provide "just-in-time" cargo service to Neighbor Island communities. "Kāpena" means "captain" in the Hawaiian language, and each vessel was named after one of the brothers and captains, who founded Young Brothers.

NEW ASSETS IN ALASKA

Foss continues to expand our offering in Alaska with the 2019 acquisition of assets, including tugs, barges, heavy machinery and other vehicles and equipment in Prudhoe Bay. The assets—operated by Cook Inlet Tug & Barge (CITB), an independent subsidiary of Foss—enhance regional cargo services and streamline operations. In addition, *The Campbell Foss*, a diesel-electric hybrid tug, enter service under the blue and white colors of the CITB fleet after being renamed the *Bering Wind*.

