

Marine

News

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Workboat Annual

Great Workboats of 2009

CROWLEY

NACHIK

NACHIK

Women on Workboats



Insights
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SeaArk



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MarineNews' Workboat Annual

Great Boats

Name Nachik
Vessel Shallow draft pushboat
Builder Diversified Marine, Inc.
Owner/Op Crowley Maritime

The Nachik, a triple screw pushboat, is designed for utilization with barges in the coastwise and river trades of the environmentally sensitive areas of the Pacific Northwest and Alaska including the Arctic Ocean. Operating a vessel in the extreme conditions of this region requires a workboat that's unique in engineering and design. The Nachik's stern hull configuration shrouds the propellers in tunnels enabling them to work in very shallow waters. Due to the need for the boat to be multi-functional, the hull form provides sea-keeping qualities that enable the tug to engage in ocean towing and is equipped with a stern tow winch and fendered push knees on the bow allowing it to either tow or push its load. The tug features a raised bridge to allow for heightened visibility and added safety. The tug is built to American Bureau of Shipping

(ABS) standards and has been ergonomically designed to accommodate a crew of eight. The vessel was designed by BMT Fleet Technologies, Ltd., Crowley, and Diversified Marine, Inc.

The design incorporates several state-of-the-art features including:

- Propulsion and auxiliary engines meeting all IMO emissions standards
- Engine cooling provided by channel keel coolers
- Heavily insulated to control heating and cooling
- Zero discharge
- Fuel tanks surrounded by void spaces to minimize the risk of fuel spills
- Holding tanks to retain treated sewage onboard
- Electric rather than hydraulically operated deck machinery
- State of the art navigational and communications technology

Specifications:

Length, o.a.	76 ft
Breadth	32 ft
Depth	7 ft
Draft	3.5 ft
Speed	10 knots

Main particulars:

Main engines	3 x Caterpillar C-18
Total installed power	1,362 hp
Generators	CAT C4.4

Engine controls	ZF Marine
Bearings	Duramax
Coatings	International Paint
Radars	Furuno 8122
Depth sounders	Furuno 610Q LS
Auto pilot	Simrad AP50
AIS	Furuno 150
GPS	Northstar 6000i
Fire extinguishing systems	Kidde
Fire detection system	Harris Alarm System
Life rafts	Zodiac



Photos courtesy Crowley Maritime