



CASE STUDY

PASSENGER FERRY LENGTHENING AND OVERHAUL

May, 2012
The Hope
Shepler's Mackinac Island Ferry

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The Hope - Shepler's Mackinac Island Ferry



In 2009, Moran Iron Works performed a vessel overhaul and a mid body extension on Shepler's Mackinac Island Ferry's THE HOPE. In November 2009, the 69' aluminum monohull ferry was hauled out at Port Calcite and trucked to the main fabrication shop in Onaway. A 17' aft portion of the vessel was removed and discarded, and a new 35' section was fabricated in the shop and attached to the existing aluminum hull. The completed vessel is 87' long with an 18' beam.

During the fabrication process, other integrated systems were either installed or upgraded. Most significantly, the vessel was repowered with two new 1410 HP MTU 16V engines. In the process, the fuel tanks were relocated for improved stability after the extension of the vessel's hull. The existing deck was also reinforced with new steel deck plating.



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State-of-the-art custom exhaust and electronic monitoring systems were installed as were new onboard systems for navigation, AC and DC power, potable water, heating, communications, and lighting. In addition, a full fixed CO2 fire suppression system was installed. The overall project increased the vessel's capacity as well as extended its life and capabilities. The work was completed and the vessel was delivered in May 2010 in time for the navigating season.



CUSTOMER

Shepler's Mackinac Island Ferry

LOCATION

For operation in the Straits of Mackinac, MI

PROJECT DURATION

Nov. 2009 - May 2010

STATISTICS

Length: 87ft

Breadth: 18ft

Depth: 8ft

MATERIAL

Aluminum

OTHER

Classed USCG - Title 46 CFR Chapter I Subchapter T: Small Passenger Vessels