

For bringing up marine specimens, the 36-footer has an A-frame on the stern with a 1,500-lb. lifting capacity and a pair of radial-arm davits with capstans. The hydraulically operated davits and winch are driven off a PTO on the starboard engine's transmission. There are no overnight accommodations. Twin 220-hp **Cummins** QSD 2.8 diesels provide the power. Matched up with **Twin Disc** MG-5050A marine gears turning 20"×17" nibral 4-bladed wheels on 1 ½" Aquamet-22 shafts, the propulsion system kicks the *Michael J. Greely "Spirit of '61"* up to a maximum speed of 23 knots. Cruising speed is about 15 knots.

## FEBRUARY 2014

### 97' NAVY VESSELS

#### Modutech Marine



Bruce Buis

#### Modutech Marine

The Navy calls them Range Testing Support Craft. **Modutech Marine**, the Tacoma, Wash., boatyard that is building three of the new aluminum 97-footers, calls them multimission boats. The Navy will use the new boats in Hawaiian waters where they and their crews of eight sailors will retrieve training torpedoes fired by Navy submarines. The boats will also deploy various other weapons training devices including MK30 targets. The 97'×28'

semi-displacement vessels also have small (13.5"-dia.) moon pools installed on the working deck for deploying acoustic devices. To facilitate the retrieval of the training torpedoes, towed targets and other equipment, the new boats have a large stern ramp with rollers right at the waterline. Ballast tanks in both stern corners and one in the bow help balance the vessel's trim with a variety of loads. The ramp can also be covered with removable deck platforms to create a larger, flat cargo deck that's flush with the fixed cargo deck forward of the ramp. To help stabilize the boats while operating in the Pacific Ocean, each boat has three **Seakeeper 26000 gyros**, which are hard-mounted to the framing of the boats. One is low on the centerline, and the other two are slightly aft and sit a little higher on each side of the centerline. Each unit measures 50"×56"×37" and weighs about 3,000 lbs. The power on the three support craft for Hawaii includes pairs

### ANCHORS AND CHAINCABLES

In all sizes & diameters, our materials always have 100% original class certificates

G.J. Wortelboer Jr. B.V.

wortelboer.nl

Rozema is the proud builder of four Oil Response Vessels that are working off the California Coast. The vessels have a top speed of 26 knots, have built in skimmers and carry 1500' of expandable boom. Call us today to find out how this vessel or other Rozema vessels can be customized to meet your needs.

**www.rozemaboatworks.com**  
 11130 Bayview-Edison Rd Mount Vernon,  
 WA 98273 Ph (360) 757 - 6004

of **Caterpillar C-32** main engines, each rated at 1,450 hp. **ZF Marine** supplied the model 3050 marine gears with 2.952:1 ratios. The combination produces a full-load top speed of 17 knots and a cruising speed of about 13 knots. The hull shape includes shallow tunnels and a 16° deadrise at the transom. **Hockema & Whalen Associates** in Seattle designed the boats.

## 201' SEACOR OSVs

**Master Boat Builders**



Master Boat Builders  
**Seacor Resolute**

**Master Boat Builders Inc.** delivered the second of six 201'x48'x18' OSVs, the *Seacor Resolute*, to **Seacor Marine** in December 2013. (The first boat of the contract, *Seacor Strong*, was delivered in August 2013.) The yard designed the vessel and worked with Seacor on the vessels' profile, including the closed-in shape of the bow. "That was the look they wanted — that bow," said Andre Dubroc, Master Boat's general manager. "It kind of favors some of the European boats, the way they look." Dubroc said that the DP-2 *Seacor Resolute* has a lot of capacity for its size. Tankage includes 5,000 bbls. of liquid mud; 4,500 cu. ft. bulk mud in four 1,500 sq. ft. tanks; and 139,758 gals. fuel. Main propulsion comes from twin **Caterpillar 3512C Tier 3** diesel engines, each producing 1,911 hp at 1,600 rpm. The Cats are connected to 82"x70", 5-bladed bronze propellers through **Twin Disc MGX-5600** marine gears

with 5.04:1 reduction ratios. The running speed was 12 knots (11 knots with a full load) during sea trials. The new OSV boasts four **Schottel** thrusters — two bowthrusters and two stern thrusters. Two parallel-operating Caterpillar C32 engines, rated at 910 kW each, provide the *Seacor Resolute's* service power. The OSV has a Fi-Fi1 firefighting system driven by twin dedicated Cat C32s rated at 1,000 hp each.

## 110' FERRY **Blount Boats**



Blount Boats  
**Wabanaki**

## YARDS TRUST BRUNVOLL

A complex ship.  
A sophisticated thruster system.  
A tight installation schedule.  
No margin for delay.  
We know how it is – in Finland, Germany, France, Korea or China.  
With our specialized in-house expertise and years of experience, we have built up a reputation for preparing the units on time, precisely according to the specifications.

## TRUSTED WORLD WIDE

- TUNNEL THRUSTERS
- AZIMUTH THRUSTERS
- LOWNOISE THRUSTERS
- BRUCON THRUSTER CONTROL SYSTEMS

# BRUNVOLL

BRUNVOLL AS - 6415 MOLDE - NORWAY

[www.brunvoll.no](http://www.brunvoll.no)