

## Thruster Customer Report

# WESMAR's ABS Classed Thruster Means More Work for Oil Support Vessel

**This is a big deal in our industry. ...Ryan Pecoraro, Gulf Fleet**

The 175-foot FSV GULF FURY is a sleek powerhouse, fast and accurate. And she is ready for the toughest dynamic positioning jobs in the roughest of weather thanks in part to her ABS approved WESMAR Bow Thruster.

The vessel's dynamic positioning system is interfaced with the 150 HP bow thruster through the AC frequency of the WESMAR system, and together this dynamic duo will open doors worldwide for this fully classed ABS DPS-1 offshore oil industry crew supply vessel.

"This is a big deal in our industry," said Ryan Pecoraro, Technical Engineer and Project Manager for Gulf Fleet, of Lafayette, La. It is our first total ABS classed DPS-1 vessel. With this vessel classification and with WESMAR's V2-20 ABS design approval, the vessel is viewed highly in the industry," says Pecoraro. "It will open opportunities for us around the world."

"WESMAR collaborated with us to make this the first ABS DPS-1 Classed vessel in our fleet. With all components classed that way you are considered a vessel of the highest standard, safer and more reliable," said Pecoraro.

He is extremely pleased with the performance of the WESMAR thruster. "During sea trials, using 3 reference points, GPS, laser static, and



*The FSV GULF FURY is the newest and fastest oil support vessel for Gulf Fleet of Lafayette, LA. Her ABS ratings (including the WESMAR Bow Thruster) expand opportunities worldwide.*

wind birds; the Gulf Fury held position within 1 meter in 4-foot seas. For a 175-foot crew delivery/cargo vessel to hold position this close is amazing, and excellent testimony to the ABS approved WESMAR bow thruster and DP electronics system," said Pecoraro.

"The WESMAR thruster is operating smoothly and working well. Because it has an electric drive it was an easier scale-in factor for the DP technician," said Pecoraro, referring to the ease of location and installation of the system. "Also because we don't have the diesel engine driving it, maintenance costs are vastly reduced. Also it is cleaner and quieter.

Gulf Fleet owns and operates marine vessels providing logistics and specialty services to the  
(over)



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offshore oil and natural gas industry, primarily in the U.S. Gulf of Mexico. The Gulf Fury was built for deep water offshore work around platforms that are not attached to the sea bottom. It is important that the thruster be able to hold the boat true and the Captain and crew confirm it is," said Pecoraro.

"The oil fields are a 24/7 operation. The Gulf Fury is traveling back and forth doing crew changes and carrying cargo for the rigs. She has to maneuver in adverse conditions, so the bow thruster is of great value for the crew.

Gulf Fleet will take delivery of her sister ship, the Gulf Storm in Mid June. The Gulf Storm will have the same certification and ratings and the same WESMAR thruster system. Both vessels join the Gulf Fleet's 17 other vessels.

The Gulf Fury is one of the most advanced (and fastest) crew supply vessels. "They are made to carry cargo and offshore workers fast." said Pecoraro.

## **FSV GULF FURY**

**Length:** 175 ft

**Beam:** 30 ft.

**Depth:** 13.5 ft

**Documentation:** USCG Subchapter T:  
ABS HSVR classification A1, AMS, DPS-1,  
International Load Line

**Builder:** Swiftships, Inc./ Textron Marine & Land  
Morgan City, LA/New Orleans, LA

### **Machinery**

Main Engines: 4 Cummins KTA50 M2@1800 BHP

Reduction Gears: Twin Disc MGX6848SC

Gear Ratio: 2.5:1

Gensets: 2 Cummins 6CTA8.3@ 180 KW

Water Jets: 4 Hamilton HM811

Bow Thruster: WESMAR V2-20 @150 HP

Bob Sentz, WESMAR's Vice President of the mechanical division says, "This is an extremely important installation for WESMAR as well, widening the scope of business with newly constructed offshore supply boats and crew. We believe WESMAR is the only stainless steel counter rotating dual prop bow thruster system to have ABS DP1 design approval."

Like all WESMAR products the thrusters are built for the toughest of sea conditions backed by WESMAR's 43 years of experience in design of rugged underwater equipment for work boats, commercial fishing boats, yachts, excursion vessels, and ships of the world's navies.

The counter rotating dual prop design is WESMAR's invention, and the company claims it has since been copied by several companies. It provides up to 40% more thrust with the same tunnel size and with the same input power.

## **WESMAR V2-20**

ABS DP design approved

Counter Rotating Dual Prop Design

75 to 150 HP

Up to 40% more thrust

Optional Pre-mounted in Steel or Aluminum Tubes

Heavy duty stainless steel casting

