

The Rotator

Spring, 2015

Engineering Humor

What an engineer says: "Modifications are underway to correct certain minor difficulties."

What an engineer means: "We threw the whole thing out and started from scratch."



In This Issue

What's AME Up To
Out & About
Marine News
Industrial News
Final Thought

Out & About

The year may be young, but AME's already been making major headway in the industry, here's a brief taste of where we've made our mark:

- **Young Professionals in Yachting/YPY Gala** - January 16, 2015



- **US Superyacht Association/ USSA Captains Briefing** in St. Maarten - January 21-22, 2015
- **Florida Yacht Brokers Association/FYBA Annual Dinner** - January 30, 2015
- **Miami Yacht & Brokerage Show** - February 12-16, 2015
- **MIASF Waterway Cleanup** - March 7, 2015
- **National Marine Yachty National Invitational Golf Tournament** - March 8, 2015
- **SeaTrade Cruise Global Show** - Miami - March 16-19, 2015



What's AME Up To

Lauderdale Marine Center (LMC) is growing, and so is AME! Construction on the company's new office mezzanine at their CS 4/LMC location will be wrapping up within the next few weeks. The addition will signify a major transition, establishing a full time presence in the east side of the yard. Read more about LMC's expansion and AME's new construction in the **Sun-Sentinel**.



Looking to broaden your horizons? AME owner and president, **Rich Merhige**, was invited to present on Condition Monitoring at the first annual **WorkBoat Maintenance & Repair Conference and Expo** - a spin-off of the International WorkBoat Show. **Click here for your discounted passes** to attend this April 14, 15 & 16th in New Orleans.



One of AME's favorite annual events is the **Marine Industries Association of South Florida/MIASF's Plywood Regatta**. For the 7th year in a row, Rich Merhige will be mentoring a team of high school students at the Dania Beach Marina on April 11-12, helping them construct a boat out of plywood, and limited supplies. AME office Administrator, Christine Battles, will be volunteering both days, emceeding the construction of the boats, followed by the race.



Later, on May 1, AME will be a presenting sponsor for the **Florida Yacht Broker Association/FYBA's** first annual Engineering Seminar to be held at Pier 66. Here, Rich will be speaking about vibration analysis, and how it can solidify and protect yacht sales.



Final Thought

Want to get the most bang for your buck at your next yard period? Start off with a vibration analysis to see what



kind of shape your machinery is in. A vibration report will provide you with recommendations for major items that need attention, and show you where you can relax, by simply monitoring components. Next, sign up for a pre-, and post haul hull target. These measurements are crucial to record the shape of the hull both in, and out of the water, allowing for any variances, and providing for the most accurate and efficient alignments, should they be, or, become necessary.

Want to learn more? Contact us at **954-764-2678**, and see our upcoming column in the April edition of **The Triton**.

Be sure to also catch us at the upcoming Triton Expo, April 15th at Bahia Mar!



Advanced Mechanical Enterprises & **Advanced Maintenance Engineering**

Headquarters:
217 SW 28th Street,
Ft. Lauderdale, FL 33315

Second Machine Shop:
Lauderdale Marine Center
Contractor Shed #4 (East Yard)
& Building 2015, Suite #210
(West Yard)

info@amesolutions.com

Marine News

One of AME's favorite customers, a 75' Azimut, recently sustained damage to their running gear that required emergency repairs on a very tight schedule to accommodate an owner's trip. AME removed the shaft and strut on the starboard side, had them straightened, performed an optical alignment, installed a new shaft seal, and renewed the bearings.



Once the vessel's new propellers arrive from Europe and are installed, AME will conduct a vibration analysis, and later, during an upcoming yard period, align the port side.

Industrial News

AME's held the contract for over 15 year now for annual vibration testing on water pump stations for a Florida government entity. Most recently, they've procured AME's services for condition monitoring surveys utilizing **Windrock's Reciprocating Machinery Analyzer**. This equipment has four dynamic input channels, plus a separate input for speed and crank-angle signal. For surveying a diesel engine a vibration, ultrasonic and firing pressure signal is measured on each cylinder to identify deficiencies related to intake, exhaust and fuel valves; pistons, liners, rings, wrist pins, bushings and bearings. It will also measure firing pressure and conduct vibration vs. crank angle testing to evaluate the frame components, including bearings.



Looking to Get Ahead?

AME is looking for a **Field Service Mechanical Engineer**. Send your resume to Christine@AMESolutions.com. No phone calls will be taken.



+



=



Vibration, Noise & Alignment Specialists

All Running Gear Services