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AMESOLUTIONS.COM

Vibration, Noise & Alignment Specialists

The Rotator

Spring,

2018

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Out & About



Capt. Eric Shear,
High Seas Consultants, Inc

AME was proud to be one of the sponsors for the [Miami Propeller Club's](#) Biscayne Bay Luncheon on the 111' Catamaran, [Biscayne Lady](#), in February. AME and guests enjoyed a delicious lunch out on the water while taking in the sights of the Miami coastline. The cruise ended with an informative presentation from keynote speaker, Captain Bob Bijur of [Island Queen Cruises and Biscayne Lady Yacht Charters](#), who spoke about the [Passenger Vessel Association](#).

"The event was the First Annual Biscayne Bay Luncheon Cruise and we were happy to have AME as the event sponsor. All the attendees had

What's AME Up To

The 3rd Annual [Refit International Exhibition & Conference](#) was a major hit! Joined this year by [PRUFTECHNIK](#), AME had a jam packed two days of demos, classes, and networking with yachting refit industry professionals. On Day 1, AME presented "Streamlining Cardan Shaft Alignment Using the Rotalign Touch, and on the second day AME presented "Listen & Learn with PRUFTECHNIK."

"We've had extremely positive feedback about the 2018 Refit Show from our exhibitors, sponsors, and attendees," said Jim Miller, [Refit Show](#) director. "The high quality of our attendees was a direct reflection of the value they found in our seminars and special events. We're already looking for new ways to add even more value to our 2019 Refit Show to continue the event's steady growth."



Jimmy Floyd,
[Bradford Marine](#)



Chase Cooney
[Lauderdale Propeller Service/LPS](#)

[Tony Planamento](#), AME Field Service Engineer for almost 2 years, was recently promoted to Technical Sales Representative. Tony will be representing AME's product lines from [PRUFTECHNIK](#) and [Windrock](#)

a great time and are looking forward to the next Luncheon Cruise," Phil Everingham, Secretary/Treasurer, **Miami Propeller Club**.



Billy Smith, VP of **MarineMax** Super Yacht Division



AME joined **MIASF** as a builder sponsor for this year's **Habitat for Humanity in Broward** to help build homes for families in need of shelter.

"Since the marine industry plays such a leading role in South Florida's economy, we believe it's important to lead and support our community," said Phil Purcell, **MIASF** President and CEO. "Our members are passionate about the area they live and work in and committed to reinvesting in their community and making it a better place to live."

The AME team volunteered last Saturday and helped put the final touches on the interior and exterior paint.



AME joined **Flagship Management LLC** to host Maritime Night along

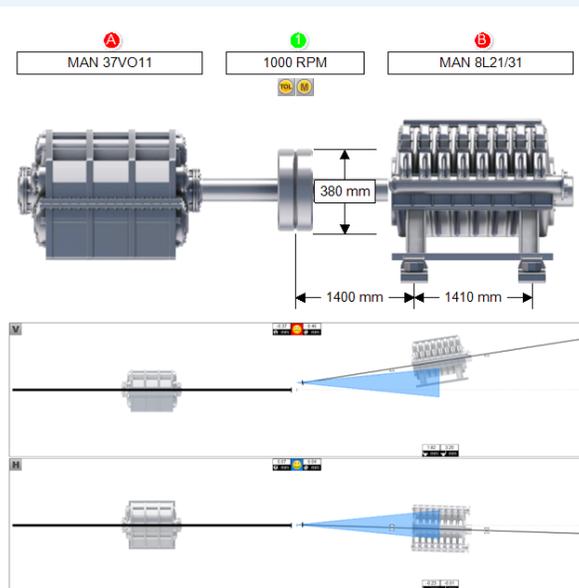


to prospective and current customers. Congrats Tony!

Marine News

AME recently completed a laser alignment on a 267' Ananda cargo vessel engine at Port of Everglades. The measurements were collected using one of **PRUFTECHNIK's** cutting-edge laser alignment systems, the **Rotalign Ultra iS**, our service engineer was able to make the necessary adjustments to align between the MAN engine and reduction gear. Check out the difference below!

"AME did a great job on the laser alignment check and I am happy to report the vessel sailed on time and with good reports once underway. We appreciate AME dropping everything to assist us when we needed them the most! Thanks for your support." Port Engineer, Major South Florida Marine Shipping Services Company



with

The Maritime Executive magazine, Goltens, W&O Supply, Inc., Glander International, Fassmer, Metric Marine, USI Insurance Services, and Resolve Marine Group. The team had an amazing time mingling with familiar and fresh faces of the maritime industry!



Upcoming!



For the 11th year in a row, **AME** will mentor a student team at the Marine Industries Association of **22nd Annual Plywood Regatta**. The annual event will be held on April 14-15 at the Dania Beach City Marina. Plywood Regatta is a two-day boat building event that introduces young marine enthusiasts and the community to the craft of boat building using limited, rationed supplies and old fashioned ingenuity.

AME's **Christine Battles** will be the event's MC for the 7th year in a row! This year she will co-host with Sean Smith from MIA SF and **Salty Jobs**. Learn more at www.plywoodregatta.org.



AMESOLUTIONS.COM

AME is looking to fill the following career positions:

Hydraulic Technician/Mechanic

Jr. Machinist/Fabricator

Industrial News

AME went behind bars recently when one of our vibration analysts attended a South Florida county jail to perform testing on a diesel engine generator. As with all our vibration tests, we first created a database of vibration measurement points of the unit in our Omnitrend software. The data was then gathered using one of our new **PRUFTECHNIK** Group **VibXpert II** analyzers. After a thorough analysis, a report was generated, and the client was given recommendations to correct the repetitive failure of an exhaust bellow.



Final Thought

**Assets Are Investments
Take Care Of Them To Increase Your ROI**



Here are some reasons why asset management should be one of your top priorities:

- 1) New condition-based monitoring technologies give operators and owners more control over the protection and preservation of their machinery.
- 2) Consistent assessment and maintenance of assets can help lower overall upkeep costs.
- 3) Proper condition evaluation can extend the machinery's life power.

Contact us today to learn how to improve your machinery's

Service Manager

Apply [here](#) - Please no phone calls, or, walk-ins.

operation using an asset maintenance plan.
info@AMEsolutions.com .

Asset Maintenance Plans
Vibration & Noise Surveys
Laser, Optical & Strain Gage Alignment
Diesel Engine Condition Monitoring
Shaft Torque & Power Measurements
Geometric Laser Measurements
Fabrication, Welding, Machining & Line Boring
Hydraulic Services & Repair

Engineering Humor

GO STUDY ENGINEERING THEY SAID

$$\rho g_x - \frac{\partial p}{\partial x} + \frac{\partial}{\partial x} \left[2\mu \frac{\partial u}{\partial x} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right]$$

$$\rho \left(\frac{\partial v}{\partial t} + u \frac{\partial v}{\partial x} + v \frac{\partial v}{\partial y} + w \frac{\partial v}{\partial z} \right) =$$

$$\rho g_y - \frac{\partial p}{\partial y} + \frac{\partial}{\partial y} \left[2\mu \frac{\partial v}{\partial y} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right]$$

$$\rho \left(\frac{\partial w}{\partial t} + u \frac{\partial w}{\partial x} + v \frac{\partial w}{\partial y} + w \frac{\partial w}{\partial z} \right) =$$

$$\rho g_z - \frac{\partial p}{\partial z} + \frac{\partial}{\partial z} \left[2\mu \frac{\partial w}{\partial z} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right]$$

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Vibration, Noise & Alignment Specialists

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