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# The Rotator

Fall, 2013



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**Engineering Humor:** “Normal people believe that if it ain’t broke, don’t fix it. Engineers believe that if it ain’t broke, it doesn’t have enough features yet.” - Scott Adams



**What AME’s Up To...** AME recently teamed up with Wartsila North America (WNA) to co-host the Society of Naval Architects & Marine Engineers (SNAME) SE Section meeting, held on 9/12/13 at Wartsila’s Fort Lauderdale location. Rich Merhige, President AME spoke about Vibration Analysis, followed by Paul Nailor with WNA, who presented about the EnviroSAFE Water Lubricated Bearing. With over 50 attendees from around the country, this was the best attended chapter meeting in recent times.



In August, AME hired Brunson to design and teach a customized optical alignment course for two days. Service Engineers, Technicians, and Mechanics attended, and were certified for the coursework completed.



On your way to Monaco? The US Superyacht Association (USSA) will be making their official appearance at the 2013 Monaco Yacht Show, and AME is a proud sponsor of its Come SEA US! Campaign, an initiative to bring yachts to the states. Want to score some AME swag or learn more about their services? Email [Christine@AMESolutions.com](mailto:Christine@AMESolutions.com) to meet up on the docks.

**Industrial News:** AME has been working with Plasma Power, LLC on a research and development project investigating applications to utilize by-products from waste to energy plants. The process utilizes high speed spindles operating at speed in excess of 5,000 RPM. The process spins a rotating wheel that incorporates high temperature weld cladding to protect the wheel surface from high temperature erosion. AME has been assisting Plasma Power to balance the spindles and rotating assemblies on a test stand specifically designed for balancing the assemblies exclusive of the process. “System uptime can be increased by staging pre-balanced spindles, that can be integrated in a short period of time,” said Alan Reynolds,



C/E, Plasma Power, LLC. “Pre-balancing done by AME shortens the changeover time, thus increasing the overall system up time.”

**Marine News:** This summer, AME was contracted to investigate a vibration on a 63’ yacht - M/Y PESCADORA. Built in 2004, the Captain had a suspicion that the issue with the vessel was there for quite a while, but no one was able to pinpoint it. “Within less than an hour AME Field Service Engineers began pointing out things, before issuing a firm diagnoses, that turned out to be the source of the vibration,” said Captain David Barillas. “I’d like to thank the guys for resolving the issues, they’re very professional and thorough - I will definitely have them be the first to look at any future problems.”



**Final Thought:** What are you doing to save your owner or company money? Start with your machinery’s maintenance program. Don’t know where to begin...call AME at 954-764-2678. We can assess your machinery and create an entire program that’ll leave you stress free, and saving a bundle while preventing downtime.



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