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THE SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS

PHILADELPHIA SECTION

PRESENTS

WEDNESDAY FEBRUARY 17, 2010

ON-STATION PROPULSION PLANT RE-ALIGNMENT & AFT SEAL RETROFIT OF THE FPSO SEAROSE

SUMMARY OF TOPIC AND PRESENTATION

The SeaRose is a Floating, Production, Storage, and Offloading (FPSO) vessel purpose-built for operations on the White Rose offshore oil field field located 350 km east of St. John's Newfoundland, Canada. The hull was built at the Samsung Heavy Industries Shipyard in South Korea and sailed to Marystown, Newfoundland, Canada in April 2004 where topside processing facilities were installed by Peter Kiewit Sons Co. In August 2005, she sailed from Marystown to her duty station on the White Rose offshore oil field.

During the transit from Marystown and while on-station offshore, there have been continuous problems with leaks from both port and starboard stern tube seals. In June 2009, a team involving Aker Philadelphia Shipyard, Aker Solutions and LamaLo technologies was mobilized to identify the root cause of the seal failures and formulate a repair solution that would allow the vessel to stay on station at the White Rose oil field and not disrupt oil production operations.

This presentation will discuss the resulting FPSO inspection and repair campaign.

BIOGRAPHY

Dean F. Sahr is a mechanical engineer at Aker Philadelphia Shipyard responsible for propulsion plant installation & alignment and main propulsion systems. Dean studied Diesel Engineering with the United States Merchant Marine Academy department of continuing education and Mathematics at Ferrum College. Before joining the shipyard, he served as a field service engineer and project engineer with Wärtsilä Diesel USA on marine two & four stroke propulsion plants and land based diesel power generation projects. Dean has serviced more than 200 vessels in 23 years with propulsion plants ranging from 1.5 MW to 100 MW and specializes in propulsion shafting systems and heavy fuel Diesel engine operations. He has also participated in more than 100 new build and service related sea trials.

In January 2005, Dean gave a presentation to the SNAME Philadelphia section on the Application of the Strain Gauge Alignment Technique on Slow-Speed Diesel Propulsion Shafting Installations.

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WEDNESDAY ~ FEBRUARY 17, 2010

Where: Ramada Inn - Philadelphia Airport South
76 Industrial Highway
Essington, PA 19029
Phone: 610-521-9600 / Fax: 610-521-9388

Dinner Cost: $25 for member, $30 for non-member, Free for students
Cocktail Hour (hotel bar): 5:30 pm ~ Dinner (banquet room): 6:30 pm
(ASNE and other Engineering Society Members pay member price)

For reservations or information, please call or send Email by Monday February 15, 2010

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If you have any questions, please let me know.

Or contact

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