

RE: SIMS issues

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Royal Navy Impeller balancing.

I have spoken to my Royal Navy prime contractor contact regarding the balance of the Simsite impeller and he sent me the following e-mail:

Richard,

*As we discussed the other day, the vibration levels that we recently achieved on our **new HMS Albion HPSW Pump SIMSITE Composite Impeller** installation were exceptional. **The vibration readings that we obtained were in the order of 10 times better than those stated in ISO Standard 10816-3.***

*In terms of balancing standards, iaw ISO Standard 1949/1, **the Simsite impeller did not require balancing as it was well under the acceptable levels already.** It was concluded not to attempt to balance the composite impeller as the initial readings would not be able to be improved as they were so good initially. This is obviously also partly down to the good quality of the new ABB motor, but is further enhanced by the impeller. It was stated by our Mechanical Engineering Group (MEG) **that readings at these low levels could not be achieved using the existing Bronze impellers, of which they have extensive experience of balancing.***

Many thanks for your help and support on the installation. I will keep you up to date on the progress of the onboard trial.

Kind regards,

Royal Navy Prime Contractor - Pumps