



28 July 2006

Lionel Tehini
President – Applied Ultrasonics
POBox 100422
Birmingham, Alabama 35210.

Subject: Esonix UIT – Acceptance for use on ABS Classed Vessels and Offshore Units

Dear Mr. Tehini:

In reply to your letter of July 5th together with supporting documentation, please be advised as follows:

ABS accepts the principle of ultrasonic impact technology for the treatment of welds, and as such has no objection to its use on ABS classed vessels and offshore units. In this regard it may also be used as an alternative to other techniques such as TIG dressing and toe grinding. This permission does not displace a particular weld profile requirement, nor any mandatory post weld heat treatments.

Application of UIT is subject to verification and acceptance by the Surveyor on site. In this regard the application procedures and quality control measures, including the training and qualifications of operators are to be available for the Surveyor's review.

To apply particular fatigue life enhancement factors for existing structures as may be permitted by Codes or by ABS , supporting data related to sea states, including variable amplitude loading especially with respect to the low cycle/high stress regime may have to be provided.

Very Truly Yours,

A handwritten signature in black ink, appearing to read "M. Wheatcroft", with a small flourish at the end.

Michael F. Wheatcroft
Chief Engineer – Materials Department