



## **TECHNICAL CIRCULAR No. 582 of 04<sup>th</sup> October 2019**

To	All Surveyors/Auditors
Applicable to flag	All Flags
Title	<b>Reporting by Thickness Measurement (TM) Companies</b>
Reference	CONARINA-Survey Instructions

### **Enhance Reporting by Thickness Measurement (TM) Companies**

Usually Thickness Measurement (TM) Companies are not showing damages or defects affecting structural members in their final thickness measurement report submitted to CONARINA Surveyor. Special Survey requirements require CONARINA Surveyor(s) to attend during the close-up surveys and to control (not supervise) the thickness measurement process. CONARINA Surveyors are not present during the measurements. TM company should note in their reports any defects or damages they find in the course of conducting the required gauging including, but not limited to:

- fractures,
- buckling,
- deformed structures,
- wastage holes and detached structure,
- excessive and/or extensive pitting/grooving of any significance, and/or
- corrosion of welds

CONARINA Surveyor should review with the attendees the reporting of defects or damages as noted above. Failing to report any defects or damages the TM company finds, would render the gauging results as ineffective.

Gauging results are to be reviewed by the Surveyor and verified as deemed necessary. If evidence of wastage is noted, the gauging may need to be expanded.

Only the attending Surveyor can decide if it is necessary to witness all the TMs as they are being taken. If the Surveyor considers it necessary to spend more time with the TM technicians in the event of one or more of the below, then the Surveyor should either remain onboard or schedule another visit before the TM process in that tank(s) is completed:

- Poor conditions are sighted by the Surveyor during the overall and close-up surveys
- Wastage beyond the diminution allowance
- Structures are holed or fractured

Wasted and/or structurally damaged areas are to be repaired to the satisfaction of the Surveyor or noted as outstanding recommendations in the survey report. Where the TMs and repairs are carried out in conjunction with each other, any areas that were repaired are to be properly marked

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in the TM report as “repaired.” If the thickness of the renewed structure is different from the original scantlings, it is to be recorded in the TM report. Additionally, repairs are to be reported upon in the CONARINA survey report. As applicable, recoating of structural repairs are to be recoated as original and reported upon accordingly.

REFERENCES:

- CONARINA – Instruction

Courtesy of ABS

- ATTACHMENTS: No

kindest Regards,  
Val Bozenovici  
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