

CERTIFICATION NO. B-30/2012-00046-CO/1

This is to report that we, the undersigned, attended at the Kongsberg Maritime China Jiangsu Ltd. to review the length measurement system for radar pipes of Kongsberg level gauge with following details

Place of system	: Kongsberg Maritime China Jiangsu Ltd.
Date of attendance	: 11th January 2012
System	: Length measurement system for radar pipes
Reviewed items	: Measurement lathe and related devices : Thermometers for the system : Distance gauges on the lathe : Calculation logic for the reference pipe and measuring pipe
Measuring range	: 500 mm to 6250mm
Radar usage	: Cargo tanks at LNG & LPG vessels

We have recognized that this measurement system had ability to certify the length of Kongsberg Radar pipe with +/-0.1mm resolution considering all equipment and calculation logic at the time of our attendance.

From these observation, we have found that length measurement system in above mentioned premises for radar pipe of Kongsberg radar level gauges in LPG/LNG vessels are sufficiently accurate to measure the length of radar pipe to be used in intended purpose.

11th January, 2012
Oil, Gas & Chemicals Services



B. C. Hong / General manager
Calibration Services