



# Marine Design Appraisal Document

**Lloyd's Register Asia**  
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Please quote the document number on all future communications

## SEOEUN, AIR RESERVIOR

1. The Documents listed below have been examined for compliance with Lloyd's Register's Rules and Regulations for the Classification of Ships (July 2012) - Part 5, Chapters 10 & 11, and are assigned an appraisal status as indicated, subject to the following comments.

1.1	Comments	Action
1.1.1	Pressure vessels will be accepted only if manufactured by firms that have been assessed and approved in accordance with Material and Qualification Procedures for Ships (MQPS) 0-4. In this regard, details regarding Works Approval are to be discussed with Lloyd's Register local office.	AQS
1.1.2	Materials are to be to Lloyd's Register tests and requirements.	AQS
1.1.3	All doubling plates are to have well-rounded corners and 'tell-tale' holes.	AQS
1.1.4	Care to be taken not to overstress manhole dogs.	AQS
1.1.5	Non-destructive examination, Heat treatment and Routine weld tests are to be to the attending surveyors' satisfaction in accordance with the pressure vessel Class listed in Appendix 2 of this document.	AQS
1.1.6	Hydraulic tests are to be to the attending surveyor's satisfaction.	AQS
1.1.7	All mountings(incl. safety valves , gauge etc.) are to be subjected to a hydraulic test of twice the approved design pressure as per Pt. 5, Ch. 11, Sec. 10 of the Rules.	AQS
1.1.8	All valves are to be of Lloyd's Register approved type.	AQS
1.1.9	Our calculation indicates that the thickness of the manhole cover of main air reservoir is not sufficient. Please clarify.	AQP
1.1.10	For General service A/R, Flange for safety valve, JIS 10K SORF is not as per international standard. Please clarify.	AQP

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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