



Design Appraisal Document

Lloyd's Register Group Limited
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Date
20 June 2019

Please quote the document number on all future communications

WORLD VALVE CO., LTD.
BALL VALVE FOR HYDRAULIC LINE & OTHERS
MODEL : WB-40
GENERAL DESIGN APPRAISAL - EXTENSION

Valid until 19 June 2024

1. The document listed in paragraph 1 of the appendix has been examined for compliance with Part 5, Chapters 12, 13 & 14 of the Rules and Regulations for the Classification of Ships (July 2018), and is assigned an appraisal status as indicated, subject to satisfactory resolution of the following matters:-
 - 1.1. The material and hydraulic tests for valves in Class I and Class II piping systems are to be carried out to the attending Surveyor's satisfaction. AQS
 - 1.2. The manufacturer's materials certificates for valves in Class I and Class II piping systems are acceptable in lieu of LR's materials certificates where conditions are less than shown in Table 12.1.2 as per Part 5, Chapter 12, Section 1.6.2 of the Rules. AQS
 - 1.3. The manufacturer's test certificates for the materials and hydraulic tests of valves in Class III piping systems are acceptable in lieu of LR's test certificates. AQS
 - 1.4. Where this valve will be fitted on the oil storage, oil settling and oil service tanks situated above the double bottom in the engine room, oil suction valve is to be capable of being closed locally and from positions outside this spaces which will always be accessible in the event of fire occurring in this spaces as per Part 5, Chapter 14, Section 4.8.2 of the Rules. AQS

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

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2. The following general comments are offered:-

2.1. This Design Appraisal Document supersedes and cancels previous Document No. YTS/M/I-144492 Issue No. 0 dated 20 June 2014.

2.2. This General Design Appraisal is valid for a period of 5 years from the date of issue. After that time, an application for renewal would be considered.



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Appendix

1. The document listed below has been examined.

Document No.	Rev.	Title	Status	Date
08007010-B	--	Ball Valve for Hydro Line (40K 100A Full Bore)	AQ	31/03/2009

Appraisal Status Key

- AQ Approved subject to the matters raised that require resolution - and provided the arrangements are to the attending surveyor's satisfaction.
- AQS Details to be submitted by the client to the local surveyor's office responsible for surveying the building and the arrangements verified in accordance with the Rule/Regulations requirements by the attending surveyor.

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