



# Marine Design Appraisal Document

Lloyd's Register Group Limited  
Yokohama Technical Support Office  
Queen's Tower A, 10th Floor,  
2-3-1, Minatomirai, Nishi-ku,  
Yokohama, 220-6010 Japan  
Tel: +81-(0)45-682-5273, Fax: +81-(0)45-682-5279

Date  
**20 June 2014**

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 2019*

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 2013), 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
2. The following general comments are offered:-
  - 2.1. This Marine Design Appraisal Document supersedes and cancels previous Document No. YDS/M/I-94266 Issue No. 0 dated 31 March 2009.
  - 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.

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

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M. Mitsuoka  
Senior Engineer Surveyor  
Machinery & Piping Group  
Yokohama Technical Support Office  
Lloyd's Register Group Limited  
Tel: +81-(0)45-682-5273  
Email: [masaharu.mitsuoka@lr.org](mailto:masaharu.mitsuoka@lr.org)

## 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.

### Action Key

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.

The date is the date on which the document is stamped.

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World Valve Co., Ltd.  
5-27-7, Yoshino-cho, Minami-ku, Yokohama-city,  
Kanagawa-Pref. 232-0014

Attn.: Mr. Y. Higuchi

Dear Sir,

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

We acknowledge receipt of your email dated 19 June 2014 together with attachments in respect of the above.

Please find herewith a General Marine Design Appraisal Document No. YTS/MI-144492 Issue No. 0 dated 20 June 2014.

It is advised that a fee is chargeable for this plan appraisal work and a relevant invoice will be issued to you by this office in due course.

Yours faithfully,



M. Mitsuoka  
Senior Engineer Surveyor  
Machinery & Piping Group  
Yokohama Technical Support Office  
Lloyd's Register Group Limited

Encl.: As stated above.

cc: The Surveyors, Yokohama Port (MDAD only)  
cc: Yokohama TSO/ADG/Accounts (Letter only)

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