



CHINA CLASSIFICATION SOCIETY

Plan Approval Comments

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Approval No.:NP17A01618

Attn to : ELWA Elektro-Warme GmbH & Co.KG

Copy to: CCS Hamburg Branch

This is to certify that the drawings and documents submitted by your kind company have been reviewed and are found to comply with the relevant CCS requirements in item No.3. This approval covers only applicable CCS requirements to the products. Please see comments in item No.4 if any.

1. Product particulars:

Product : Pressure vessel for heater

Type: 4600 (10bar, 15.7bar) ;

Drawing No. : 35334_4600 CCS 10bar, 35356_4600 CCS 15.7bar,;

Technical Data : refer to the returned documents.

2. Intended for:

To be used for heating of oil or water.

3. Rules and /or Standard:

3.1 Part 3 Chapter 4 & 6 of the Society's "Rules for Classification of Sea-going Steel Ships (2015)" and its 2016&2017 amendments.

4. Comments:

4.1 Auxiliary apparatus should be fitted and relevant function test should be performed according to requirements in Part 3 Chapter 4 item 4.2.7 in the above-mentioned Rules.

5. Remarks:

5.1 The above products drawing approval is only approved according to general purpose for sea-going ship pressure vessel steel part, the heater should comply with the specified requirements for special purpose which should be approved by CCS surveyor.

6. Attachment:

Return list for drawings/documents of products.

Examined by : Zhao Wei

Approved by: Wan Xiaolei

Issued by: CCS Product Plan Approval Center

Date of issue: Jul 10, 2017

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RETURN LIST FOR DRAWINGS/DOCUMENTS OF PRODUCTS

Product: pressure vessel

No.	Title	Drawings/ Documents No.	Approved	Noted	Comment
1	4600 CCS 10bar pressure vessel for heater including part list	35334_4600 CCS 10bar	X		X
2	4600 CCS 10bar pressure vessel for heater Parameter table	35334_4600 CCS 10bar	X		
3	4600 CCS 10bar pressure vessel calculation book		X		
4	4600 CCS 15.7bar pressure vessel for heater including part list	35356_4600 CCS 15.7bar	X		X
5	4600 CCS 15.7bar pressure vessel for heater Parameter table	35356_35356_4600 CCS 15.7bar	X		
6	4600 CCS 15.7bar pressure vessel calculation book		X		
7	Flange calculation for Item 4			X	
8	Details to explanation function (Clean)			X	
9	Details to explanation function (TB)		X		
10	Name plate			X	
11	Safety valve			X	
12	Operation manual			X	
Remark:					

Note: Mark of “×” in the column of “Approved” or “Noted” indicates that the drawing or document has been approved or noted by CCS, “Comment” indicates that there is comment on the drawing or document.