



# AMERICAN BUREAU OF SHIPPING

## Boiler Survey - Water Tube Boiler P

CHECKLIST

Vessel Name	EL FARO	Class Number	7500285
Last Visit Date	30-Dec-2013	Report Number	FL2500734-H

**Checklist Item(s): All**

Seq No	Description	Yes	No	N/A	Done Date
<b>1 Internal and External Examinations</b>					
1	At each survey the boilers, superheaters, and economizers are to be examined internally (water-steam side) and externally (fire side).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
2	Boiler mountings and safety valves are to be examined at each survey and opened, as considered necessary by the Surveyor.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	(2007) The safety valves are to be tested and the proper operation of the safety valves is to be confirmed at each survey.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Boiler safety valve relieving gear (easing gear) is to be examined and tested to verify satisfactory operation. This test is to be carried out prior to any safety valve operation or setting test under steam.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
5	(2007) For waste heat boilers, if steam cannot be raised at port, the safety valves may be tested and set by the Chief Engineer at sea, and the results recorded in the log book for review by the Surveyor. Log book entry of testing of the relieving gear (easing gear) and the safety valves under steam pressure is to be examined by the next attending ABS Surveyor so that the Exhaust Gas Boiler Survey can be credited.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
<b>5 Waste Heat Boilers (2007)</b>					
6	In addition to the other requirements of Section 7-7-1, for waste heat boilers of the shell type, all accessible welded joints are to be subjected to an examination for fractures at each survey. Nondestructive testing may be required for this purpose.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
<b>7 Record Review (2007)</b>					
7	Review of the following records since the last Boiler Survey is to be carried out at each survey.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
	<ul style="list-style-type: none"> <li>• Operation</li> <li>• Maintenance</li> <li>• Repair history</li> <li>• Feedwater chemistry</li> </ul>				
<b>9 Hydrostatic Testing (2005)</b>					
8	After repairs and/or modification to pressurized parts or when considered necessary by the Surveyor, the boilers and superheaters are to be subjected to hydrostatic pressure test. Auxiliary boilers that cannot be examined internally are to be hydrostatically tested to working pressure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
2. Calibration of pressure gauges used in the process was verified as noted below:					
9	a. - Review of Equipment Calibration Record(s). - Location of Calibration Records: With the chief engineer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
10	b. - Comparison of Multiple Instruments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	09-Dec-2013
11	c. - Review of Vessel's Chief Engineer's Records.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	09-Dec-2013
12	d. - Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	09-Dec-2013



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Seq No	Description	Yes	No	N/A	Done	Date
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- Other Verification Methods:

### Surveyor(s) to The American Bureau of Shipping Attending Surveyors

Allen, Crystal L.	Electronically Signed	_____
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Rivera, Felix	Electronically Signed	_____
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