

BOILER SAFETY REPORT

Crown Fashion & Sweater Ind. Ltd.

Factory ID: 10856

Address: Crown Plaza, Plot No. 781 – 782, Vogra, Joydevpur, Gazipur

GPS Coordinates: [23.983051, 90.381442]



Factory List : Crown Fashion & Sweater Ind. Ltd. (10856)

Number of Boilers : 3

Boiler Registration Numbers : BB 10716, BB 10717, BB 10718



EXECUTIVE SUMMARY

A comprehensive boiler safety inspection of the factory – **Crown Fashion & Sweater Ind. Ltd. & (10856)** was conducted by the RMG Sustainability Council, covering 3 boilers bearing the registration numbers – BB 10716, BB 10717, and BB 10718. The inspection aimed for the safety checks of the boiler and provide recommendations for safe operation and maintenance.

The inspection process was divided into three distinct parts. Firstly, an external visual inspection was carried out to evaluate the overall condition of the boiler and provide guidance for the upcoming full-fledged boiler safety inspection. Next, an internal inspection and hydrostatic pressure test (commonly referred to as a hydrotest) inspection was conducted to assess the safety and structural integrity of the boiler. Sufficient time was allocated to allow the factory to prepare for the final inspection stage, which involved a functional test inspection. This stage required the boiler to be operational to enable the inspection team to verify the functionality of different safety circuits.

The boiler safety inspection found that BB 10716, BB 10717, and BB 10718 are in operable condition, but a few issues - outlined in this report, are to be addressed in a timely manner.

Boiler Registration Number	External visual inspection	Internal & Hydrotest inspection		Functional test inspection	
	Date	Date	Remarks	Date	Remarks
BB 10716	16-Mar-21	6-Jun-23	Satisfactory	18-Jun-23	
BB 10717		13-Jun-23	Satisfactory	18-Jun-23	
BB 10718		18-Jul-23	Satisfactory	24-Jul-23	

LIMITATIONS

The information in this boiler safety inspection report was obtained during a factory visit and discussion with local factory management. Services performed by the inspectors are conducted in a manner consistent with the level of care and skill generally exercised by members of the engineering and auditing profession. However, an effort has been made to discover all meaningful areas within the stipulated time.

In evaluating the subject site, the inspector relies on good faith in the information provided by factory management or employees. The inspector assumes that the information provided is factual, accurate and accepts no responsibility for any deficiency, misstatement or inaccuracies contained in this report as a result of omission or misrepresentation of any person interviewed or contacted.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations, as stated in this report, will eliminate all risks or exposures not referred to in this report. Compliance with the findings and recommendations stated in this report does not relieve the factory from the obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

In case any critical safety concerns are found that require the RSC to recommend an immediate boiler shutdown, for applicable cases, the RSC will inform the Chief Inspector of Boilers (CIoB) office and collaborate with them on all subsequent steps to remediate the issue(s).

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1. EXTERNAL VISUAL INSPECTION

Inspection Date	Boiler Registration Number	Author
16-Mar-21	BB 10716, BB 10717, BB 10718	Md. Mehedi Hasan

Reviewed by : Md. Mehedi Hasan

Approved by : Iqbal M Hussain

FINDINGS AND RECOMMENDATIONS

The table below summarizes the identified boiler safety hazards during the external visual inspection. Recommendations have been provided for each finding.

FINDING NO:		B-1	
CATEGORY:		DOCUMENTATION	
BOILER REGISTRATION NO:		BB10716	
FINDING: Necessary technical documents are not available to verify boiler design and operation parameters.			
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of the boiler.			
PRIORITY:		P3	
REMEDIATION TIME FRAME:		2 MONTHS	

FINDING NO:	B-2	
CATEGORY:	DOCUMENTATION	
BOILER REGISTRATION NO:	BB 10717	
FINDING: Necessary technical documents are not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of the boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-3	
CATEGORY:	DOCUMENTATION	
BOILER REGISTRATION NO:	BB10718	
FINDING: Necessary technical documents are not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of the boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

2. INTERNAL INSPECTION & HYDROSTATIC PRESSURE TEST INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
6-Jun-23	BB 10716	Md. Kamrul Hasan, Faisal Bin Faruk
13-Jun-23	BB 10717	Md. Kamrul Hasan, Sohikul Islam
18-Jul-23	BB 10718	Md. Foysal Ahmed, S. M. Faysal Ahmed

Reviewed by : Md. Mehedi Hasan

Approved by : George Faller

FINDINGS AND RECOMMENDATIONS

The initial inspection of this part of the boiler(s) revealed no safety concerns.

3. FUNCTIONAL TEST INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
18-Jun-23	BB 10716, BB 10716	Md. Sohikul Islam, Md. Tanvir Siraj
24-Jul-23	BB 10718	Kazi-Sefat-Nur

Reviewed by : Md. Mehedi Hasan

Approved by : George Faller

3.1. FINDINGS AND RECOMMENDATIONS

The initial inspection of this part of the boiler(s) revealed no safety concerns.