

BOILER SAFETY REPORT

Divine Design Ltd

Factory ID: 9542

Address: 12/13 BSCIC Industrial Area, Kalurghat, Chandgoan, Chattogram

GPS Coordinates: 22.381984,91.864396



Factory List : Divine Design Ltd (9542)
Alamoode Apparels Ltd. (10273)

Number of Boilers : 3

Boiler Numbers : Non BBR-9542-1
Non BBR-9542-2
Non BBR-9542-3

EXECUTIVE SUMMARY

A comprehensive boiler safety inspection of the factory – **Divine Design Ltd (9542)** was conducted by the RMG Sustainability Council, covering 3 boilers bearing the numbers – Non BBR-9542-1, Non BBR-9542-2 and Non BBR-9542-3. 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.

From the inspection observations -

Non BBR-9542-1 and Non BBR-9542-3 are in operable condition, but a few issues - outlined in this report, are to be addressed in a timely manner.

Boiler Number	External visual inspection	Internal & Hydrotest inspection		Functional test inspection	
	Date	Date	Remarks	Date	Remarks
Non BBR-9542-1	15-Sep-22	8-Apr-25	Satisfactory	15-Oct-25	
Non BBR-9542-2		8-Apr-25	On 8-Apr-25, the inspection was not satisfactory due to critical safety concern - boiler with volumetric capacity above 25 Liters was found without registration certificate and thick scale measures (above 10 mm) on heating surfaces – inside water tube. The factory authority disconnected and removed this boiler from the factory premises as of 10-Apr-2025.		
Non BBR-9542-3	15-Oct-25	14-Dec-25	Satisfactory	24-Dec-25	

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 (CloB) 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 Number	Author(s)
15-Sep-22	Non BBR-9542-1 Non BBR-9542-2	Md. Foysal Ahmed
15-Oct-22	Non BBR-9542-3	Subrata Chakma

Reviewed by : Md. Minhajul Islam

Approved by : Md. Mehedi Hasan

FINDINGS AND RECOMMENDATIONS

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

FINDING NO:		B-1
CATEGORY:		DOCUMENTATION
BOILER NO:		Non BBR-9542-1
FINDING: Necessary technical documents (Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, water treatment design & calculation, flue gas analysis report and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings and calculations, Piping and Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories and feed water pump, boiler operational and maintenance log book, operation and maintenance manual, water treatment design and 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 NO:		Non BBR-9542-2
FINDING: Necessary technical documents (manufacturing drawings & calculations, Piping & Instrumentation diagram, commissioning documents, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings and calculations, Piping and Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories and feed water pump, boiler operational and maintenance log book, operation and maintenance manual, water treatment design and 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:	IDENTIFICATION
BOILER NO:	Non BBR-9542-1
FINDING: The boiler manufacturer's nameplate was not available on the boiler.	
RECOMMENDATION: The boiler manufacturer's nameplate shall be available on the boiler with accurate technical information and boiler manufacturer's name in standard language.	
PRIORITY:	P2
REMEDATION TIME FRAME:	1 MONTH



FINDING NO:	B-4
CATEGORY:	IDENTIFICATION
BOILER NO:	Non BBR-9542-2
FINDING: The boiler manufacturer's nameplate was not available on the boiler.	
RECOMMENDATION: The boiler manufacturer's nameplate shall be available on the boiler with accurate technical information and boiler manufacturer's name in standard language.	
PRIORITY:	P2
REMEDATION TIME FRAME:	1 MONTH



FINDING NO:	B-5	
CATEGORY:	DOCUMENTATION	
BOILER NO:	Non BBR-9542-3	
FINDING: Necessary technical documents (manufacturing drawings, Piping & Instrumentation diagram, commissioning documents, water treatment design & calculation, flue gas analysis report and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings and calculations, Piping and Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories and feed water pump, boiler operational and maintenance log book, operation and maintenance manual, water treatment design and 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 Number	Author(s)
8-Apr-25	Non BBR-9542-1	Md. Minhajul Islam
	Non BBR-9542-2	Subrata Chakma
14-Dec-25	Non BBR-9542-3	Md. Minhajul Islam

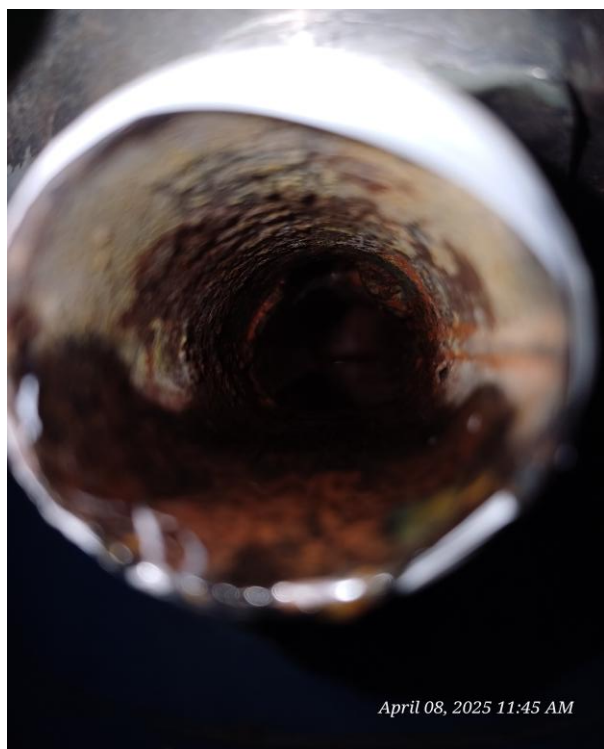
Reviewed by : Md. Minhajul Islam

Approved by : Md. Mehedi Hasan

FINDINGS AND RECOMMENDATIONS

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

FINDING NO:	B-6		
CATEGORY:	SCALES AND DEPOSITS		
BOILER NO:	Non BBR-9542-1		
FINDING: Salt and thin scale (3 mm) formation was observed on the waterside.			
RECOMMENDATION: Cleaning is required. A water treatment station is to be used. Feed and boiler water quality and conditioning should be verified and monitored. The boiler operator should operate the boiler with proper blowdown.			
PRIORITY:	P2		
REMEDATION TIME FRAME:	1 MONTH		



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FINDING NO:	B-7	
CATEGORY:	SCALES AND DEPOSITS	
BOILER NO:	Non BBR-9542-3	
FINDING: Salt and thin scale (3 mm) formation was observed on the waterside.		
RECOMMENDATION: Cleaning is required. A water treatment station is to be used. Feed and boiler water quality and conditioning should be verified and monitored. The boiler operator should operate the boiler with proper blowdown.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	



3. FUNCTIONAL TEST INSPECTION

Inspection Date	Boiler Number	Author(s)
15-Oct-25	Non BBR-9542-1	Subrata Chakma
24-Dec-25	Non BBR-9542-3	Subrata Chakma

Reviewed by : Md. Minhajul Islam

Approved by : Md. Mehedi Hasan

FINDINGS AND RECOMMENDATIONS

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