



Industry & Facilities Division

Third Party Inspection Report

INSPECTION REPORT Nr . IND 20-213-03	Revision Nr.0
<input type="checkbox"/> Initial <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final <input type="checkbox"/> Resident	
Inspection requested by: TechVice	
Inspection performed as Recognised Authority: <input type="checkbox"/> Yes, :(Recognition) <input checked="" type="checkbox"/> No	
BV Job Nr: IND 20-213-01	



Project: Seamless tube Inspection	IPO Ref (If applicable): N/A (BV internal P/o)
BV Client:/	P/o nr: N/A (client to BV)
Manufacturer/Vendor: Shandong Jianshou Steel Co., Ltd.	P/o nr: N/A (client to Manufacturer)
Sub-Vendor (If applicable): N/A	
Inspection Location: Haitong Logistics park,liaocheng city, Shandong province	Previous Inspection (If applicable): 26 th Oct.2020 (Date)N/A
Inspection performed on: 21 st Nov 2020 (Date(s))	Next Inspection (If applicable): (Date)TBA


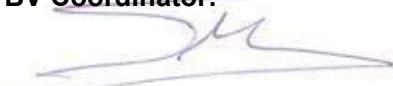
MATERIAL / SUBJECT OF INSPECTION	ITEM / TAG Nr	QTY As per P/O	QTY Offered for inspection
<input type="checkbox"/> Refer to attachment section J instead (Indicate if separate material list is provided in attachment)			
SEAMLESS TUBE ASTM A588-K(Q310GNHA) L2200*OD.60*WT2MM	3	3630 pcs	3630 pcs

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A – INSPECTION RESULT

<input type="checkbox"/> Satisfactory (Without comments)	<input checked="" type="checkbox"/> Satisfactory with comments (Any of trailing Punch or Non Conformity items is still open)	<input type="checkbox"/> Not Satisfactory (NCR raised during the inspection)
<p>Inspection Summary:</p> <ul style="list-style-type: none"> Perform visual inspection and dimensional inspection, the result was not acceptable. Marking check, the result was acceptable Chemical composition was not verified, because the factory did not provide equipment . Inspection result was found not satisfactory, the result was not acceptable. All inspection equipment does not have a calibration certificate. The result was not acceptable. Inner and outer surface for 40 pcs of tube is rusted because of the rain. 		
Open Non Conformities: <input type="checkbox"/> Yes, details in section G		<input checked="" type="checkbox"/> No
Open Punch List Items: <input checked="" type="checkbox"/> Yes, details in section H		<input type="checkbox"/> No
Release Note Issued: <input type="checkbox"/> Yes, number(s): (Release Note number)		<input checked="" type="checkbox"/> No
BV Stamping: <input type="checkbox"/> Yes, 		<input type="checkbox"/> Yes,  <input checked="" type="checkbox"/> No

On behalf of Bureau Veritas BV Inspector: (Name and Signature) Zhu Deyuan 	On behalf of Bureau Veritas BV Coordinator: 
BV Office: Bangkok	Inspection Report Date: 21st Nov.2020
Distribution: <input checked="" type="checkbox"/> CLIENT <input checked="" type="checkbox"/> BV <input type="checkbox"/> MANUFACTURER <input type="checkbox"/> OTHER:	Attachments Report: <input checked="" type="checkbox"/> Yes, details in section J <input type="checkbox"/> No

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B - REFERENCE DOCUMENTATION:

Refer to attachment section J instead
(Indicate if separate document list is provided in attachment)

Title	Reference n°	Rev.	Approval status	Approved by	Date
Seamless steel tubes for low and medium pressure boiler	GB/T3087	2008	Applicable	/	/
Quality carbon structure steels	GB/T 699	2015	Applicable	/	/
Dimensions, shapes, masses and tolerance of seamless steel tubes	GB/T17395	2008	Applicable	/	/

C – ATTENDEES

Name	Position	Representing
Zhu Deyuan	Bureau Veritas	Inspector on behalf of client
Mr. Zhao	Shandong Jianshou	Manager

D - MEASURING & TESTING EQUIPMENT USED

Refer to attachment section J instead
(Indicate if separate equipment list is provided in attachment)

Equipment Type	Equipment Identity n°	Last Calibration Date	Expiry Date
/	/	/	/

E - INSPECTION DETAILS

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Description of the inspections carried out:

BV inspectors randomly inspected the seamless tube in the warehouse. When the inspectors arrived at the warehouse, seamless tube had been packed, and the inspectors performed randomly inspection, details as following.

There is no pipe number on the seamless tube as the client didn't required so, hence our inspector has marked the seamless tube he inspected with " BV inspector Zhu deyuan" on the outside surface.

The inspected quantity is shown as below:

Tag	Description	Qty	Inspected Qty
3	SEAMLESS TUBE ASTM A588-K(Q310GNHA) L2200*OD.60*WT2MM	3630 Pcs	50 Pcs

1. Final visual examination

Perform visual inspection for general appearance of Seamless tube, the result was not acceptable, please refer to below table for more details.

Tag	PO Qty	Inspected Qty	Visual inspection	Result
3	3630Pcs	50pcs	Inside and outside surface for 40pcs of tube is rusted	Not acceptable

Note: Inside and outside surface for 40 pcs of tube is rusted. Almost 80% of all pipes has rusted on the outside and inside surface. The vendor won't repair the rust.

2. Dimensional check

Perform dimensional check for above listed seamless tube, details see below table:

Tag	Inspected Qty.	OD (mm)	Wall thickness (mm)	Length (mm)	Result
3	50pcs	59.8~60.3mm	1.97~2.02mm	2195~2204mm	/

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Check straightness of Seamless tube, Seamless tube was found to be straight. The result was acceptable.

Note:

The inspection tool does not have a calibration certificate.

3. Marking check

Perform Marking check for general appearance of Seamless tube, the result was acceptable.

Marking details as below.

STS/ASTM-A588-K 60x2.0x2200

4. Verify the chemical composition

The inspector did not verify the chemical composition because the factory did not provide equipment .

5. Documents review

The inspector reviewed MTC as per GB/T3087-2008 Seamless steel tubes for low and medium pressure boiler, and the result was found to be acceptable.

6. Calibration certificate

All inspection equipment does not have a calibration certificate.

Results of Inspection:

The inspection result was found not satisfactory with below comments.

1) All inspection equipment does not have a calibration certificate.

2) Inside and outside surface for 40pcs of tube is rusted. The vendor won't repair the rust.

3) The inspector did not verify the chemical composition because the factory did not provide equipment.

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F – HEALTH, SAFETY & ENVIRONMENT COMMENTS
(Comment on Observations and Actions Taken During the Inspection)

There was no HSE issue during visit.

G- NON CONFORMITIES
 Refer to attachment section J instead
(Indicate if separate punch list is provided in attachment)

Item	Description	Status	Raised on	Report Nr.	Closed on	Report Nr.	Comments
/	/	/	/	/	/	/	/

H – PUNCH LIST ITEMS
 Refer to attachment section J instead
(Indicate if separate punch list is provided in attachment)

Item	Description	Status	Raised on	Report Nr.	Closed on	Report Nr.	Comments
1	All inspection equipment does not have a calibration certificate.	Open	21 st Nov, 2020	IR-IND 20-178-01			
2	Inner and outer surface for 40pcs of tube is rusted. The vendor won't repair the rust.	Open	21 st Nov, 2020	IR-IND 20-178-01			
3	The inspector did not verify the chemical composition because	Open	21 st Nov, 2020	IR-IND 20-178-01			

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the factory did not provide equipment.						
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I - DIGITAL PICTURES



Visual inspection (rusted on the outside and inside surface)



Visual inspection (rusted on the outside and inside surface)



Visual inspection (rusted on the outside and inside surface)



Visual inspection (rusted on the outside and inside surface)

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Visual inspection (rusted on the outside and inside surface)



Visual inspection (rusted on the outside and inside surface)



Dimensional inspection



Dimensional inspection

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Dimensional inspection



Dimensional inspection



Marking inspection



Marking inspection

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<p>Marking inspection</p>	<p>Marking inspection</p>

J – ATTACHMENTS

Item	Attachment Name	Total Pages	Description
<u>1</u>	MTC	2	/

END OF REPORT