



Industry & Facilities Division

Third Party Inspection Report

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

Project: Seamless tube Inspection	IPO Ref (If applicable): N/A <i>(BV internal P/o)</i>
BV Client: Tech Vice Co.,Ltd.	P/o nr: N/A <i>(client to BV)</i>
Manufacturer/Vendor: Shandong Jianshou Steel Co., Ltd.	P/o nr: N/A <i>(client to Manufacturer)</i>
Sub-Vendor (If applicable): N/A	
Inspection Location: Haitong Logistics park, liao cheng city, Shandong province	Previous Inspection (If applicable): N/A <i>(Date)</i>
Inspection performed on: 19 th Sep,2020 <i>(Date(s))</i>	Next Inspection (If applicable): TO BE INFORMED <i>(Date)</i>

MATERIAL / SUBJECT OF INSPECTION <input type="checkbox"/> Refer to attachment section J instead <i>(Indicate if separate material list is provided in attachment)</i>	ITEM / TAG Nr	QTY As per P/O	QTY Offered for inspection
SEAMLESS TUBE SA-285A(Q215-AF) L2600*OD.60*WT3.5MM	2	128 pcs	128 pcs
SEAMLESS TUBE ASTM A588-K(Q310GNHA) L2200*OD.60*WT3.5MM	4	60 pcs	60 pcs


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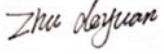
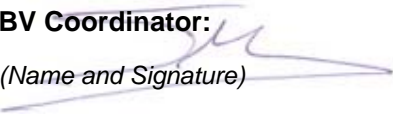
A – INSPECTION RESULT

<input type="checkbox"/> Satisfactory (Without comments)	<input type="checkbox"/> Satisfactory with comments (Any of trailing Punch or Non-Conformity items is still open)	<input checked="" type="checkbox"/> Not Satisfactory (NCR raised during the inspection)
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Inspection Summary:(for details refer to section E)

- Perform visual inspection and dimensional inspection, the result was acceptable.
- Verify the chemical composition, the result was acceptable.
- Review mechanical test report, the result was acceptable.
- Inspection result was found satisfactory, the result was acceptable.
- All inspection equipment does not have a calibration certificate. The results was not acceptable.

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): <i>(Release Note number)</i>	<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: Zhu Deyuan 	On behalf of Bureau Veritas BV Coordinator:  (Name and Signature)
BV Office: China	Inspection Report Date: 19 Sep.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

B - REFERENCE DOCUMENTATION:



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<input type="checkbox"/> 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/T3090	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			
<input type="checkbox"/> 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
<p>Description of the inspections carried out:</p> <p>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.</p> <p>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 Zhudeyuan" on the outside surface.</p>



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The inspected quantity is shown as below:

Tag	Description	Qty	Inspected Qty
2	SEAMLESS TUBE SA-285A (Q215-A. F) L2600*OD.60*WT3.5MM	128 Pcs	10 Pcs
4	SEAMLESS TUBE ASTM A588-K(Q310GNHA) L2200*OD.60*WT3.5MM	60Pcs	5 Pcs

1. Final visual examination

Perform visual inspection for general appearance of Seamless tube, the result was not acceptable, please see below comments.

Tag	PO Qty	Inspected Qty	Visual inspection	Result
2	128Pcs	10pcs	No obvious defects were found	Unsatisfactory
4	60Pcs	5pcs	No obvious defects were found	Unsatisfactory

Note:

Inner surface and outer surface for each tube is slightly rusted. The vendor refused to 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
2	10pcs	59.6~60.3mm	3.48~3.53mm	2595~2604mm	In tolerance
4	5pcs	59.7~60.4mm	3.46~3.54mm	2194~2205mm	In tolerance.

Check straightness of Seamless tube, Seamless tube was found to be straight. The result was found in tolerance base on mill equipment.

Note:

The inspection tool does not have a calibration certificate.



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3. Verify the chemical composition

The inspector verifies the chemical composition use the vendor equipment (without calibration certificate).

4. 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.

5. Calibration certificate

All inspection equipment does not have a calibration certificate.

Results of Inspection:

The inspection result was found not satisfactory with below comments.

All inspection equipment does not have a calibration certificate.

Inner surface and outer surface for each tube is slightly rusted. The vendor refused to repair the rust.

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	Closed on	Report Nr.	Comments
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				Nr.			
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

H – PUNCH LIST ITEMS							
<input type="checkbox"/> Refer to attachment section J instead (Indicate if separate punch list is provided in attachment)							
Item	Description	Status	Raised on	Report Nr.	Close d on	Repor t Nr.	Comm ents
2&4	Inner surface and outer surface for each tube is slightly rusted. The vendor refused to repair the rust.	Open	19 th Sep, 2020	IR-IND 20-213-01			
2&4	All inspection equipment does not have a calibration certificate.	Open	19 th Sep, 2020	IR-IND 20-213-01			

I - DIGITAL PICTURES	
	
<p>Visual inspection (Inner surface is slightly rusted)</p>	<p>Visual inspection (Inner surface is slightly rusted)</p>



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Visual inspection (Outer surface is slightly rusted)



Visual inspection (Outer surface is slightly rusted)



Visual inspection



Visual inspection



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<p><i>Visual inspection</i></p> 	<p><i>Visual inspection</i></p> 
<p><i>Dimensional inspection</i></p> 	<p><i>Dimensional inspection</i></p> 
<p><i>Dimensional inspection</i></p>	<p><i>Dimensional inspection</i></p>



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Chemical composition inspection

Chemical composition inspection



Marking inspection

Marking inspection

J – ATTACHMENTS			
Item	Attachment Name	Total Pages	Description
1	MTC	2	/
END OF REPORT			

