



REPORT OF THIRD-PARTY INSPECTION

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

Report No. & Version: 332617, Rev.00

Order No.: 8219080

Applicant: Hebei Abter Steel Pipe Co., Ltd

Address: /

Manufacturer: Hebei Abter Steel Pipe Co., Ltd

Address: Mengcun country, cangzhou city, Hebei Province, China

Contact Person: Mr. Huang

Inspection Place: Yanshan country, cangzhou city, Hebei Province, China

Inspector: Zhang Yonglin

Department: IS

PO No: /

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The test results refer exclusively to the units under test.



Revisions

Revision	Date	Changes
00	2025.12.18	First Issue

This report supersedes any previous revisions.



Product/Article List

Item No.	description	Quantity	
		m	pcs
1	API 5CT Casing pipe 13 3/8", 13.06 mm, N80Q, BTC, R3, 1 pc./bundle	1600.00	137.00

Nature of Inspection:

1. Visual and dimension inspection 20%
2. Packing and marking checks. Marking must meet API 5CT standard. 20%
3. Threading checks. 20%
4. Triangles checks. 20%
5. Concentricity (drift diameter) checks. 20%
6. MTC shall be reviewed
7. Pipe Length checks. 20%.

According to client's requirement inspector performed the above inspection at Hebei Abter steel pipe Co., Ltd according to standard requirements. The result was acceptable.

1. Visual and dimension inspection

-visual inspection

TÜV SÜD inspector checked the visual of the pipes at randomly 20%, during inspection no obvious defect was found, such as knocked damage at pipe end, scratches on surface or dents, the result was acceptable

-Dimension inspection

TÜV SÜD inspector witnessed dimension for casing pipes at randomly 20%, the inspection item includes OD, WT, length, coupling length values according to the relevant standard requirement, all the measurement value were in the standard requirement range, the details as below table1:

table1:

size	API 5CT Casing pipe 13 3/8", 13.06 mm, N80Q, BTC, R3, 1 pc./bundle 339.72x13.06mm	OD(mm)	thickness(mm)	coupling OD(mm)	coupling length(mm)	Triangle A1
tolerance		±1%	±12.5%	365.12±3.18	≥269.88	122.24±0.79
actual measured		339.8-340.7	12.7-13.4	364.9-365.1	270-271	122.4



The result of the dimension inspection was satisfactory.

2. Packing and marking checks. Marking must meet API 5CT standard. 20%

Packing inspection

TÜV SÜD inspector checked the packing of the casing pipes and pipe joints, every casing pipes and pup joint were packed with steel belts or packed into the wooden boxes, every package end has one easy lifting belts, the packing condition were in good.

Marking inspection

TÜV SÜD inspector checked the packing of the casing pipes and pipe joints, the details as below:

For example:

-casing pipe

ABT 5CT-2175 API logo 512 13 3/8" 72PPF R3 NQ S P34.0 BC D 251B11845 225B29C01 0060

The results of the packing and marking checks was satisfactory.

3. Threading checks 20%

TÜV SÜD inspector checked the threading dimension according to the API 5B and API 5CT requirement, The details as below:

-For pipe end

For coupling end

size	API 5CT Casing pipe 13 3/8", 13.06 mm, N80Q, BTC, R3, 1 pc./bundle 339.72x13.06mm	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.061-0.066	1.57±0.0254	±0.05	0-2.54
actual measured		0.062-0.064	1.57-1.59	-0.01~+0.01	0.36-1.22
size	API 5CT Casing pipe 13 3/8", 13.06 mm, N80Q, BTC, R3, 1 pc./bundle 339.72x13.06mm	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.061-0.066	1.57±0.0254	±0.05	2.54-5.08
actual measured		0.062-0.064	1.57-1.59	-0.01~+0.01	4.21-5.01

The result of the threading checks was satisfactory.

4. Triangles checks. 20%

TÜV SÜD inspector have checked the Triangles, the details as table 1, A1 values, all the checked value was acceptable according the standard requirement.

5. .Concentricity (drift diameter) checks. 20%

TÜV SÜD inspector have checked the drift dimension before drift

-For 339.72x13.06mm the drift OD > 309.63mm, length > 305mm,



Inspector randomly selected 20% and witnessed the drift process it can go through.

The result of Concentricity (drift diameter) checks was satisfactory.

6.Document review inspection

The inspector reviewed the document which were provided by the mill include the below reports

-MTC

All the reviewed report results were acceptable according to the standard requirement.

7.pipe length checks 20%

TÜV SÜD inspector witnessed the length of the casing pipes and pipe joints at 20%, the details as below:

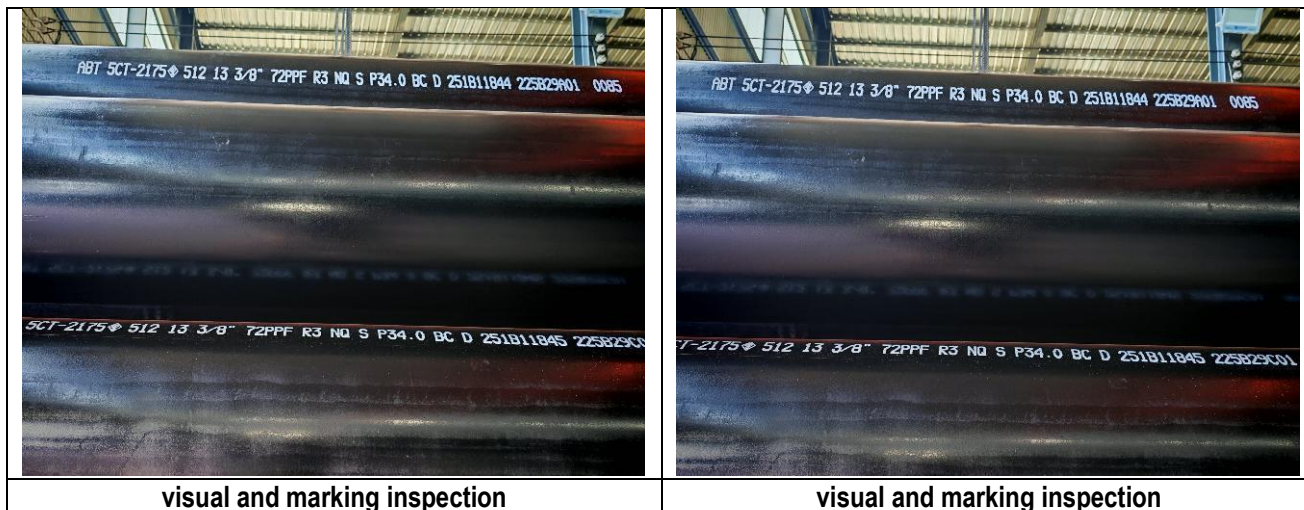
size	API 5CT Casing pipe 13 3/8", 13.06 mm, N80Q, BTC, R3,	length
actual measured	11600-11760mm	

The result of pipe length checks was satisfactory.

7.Conclusion

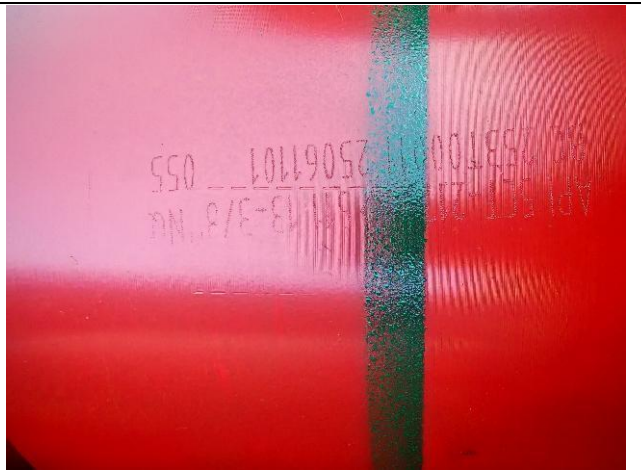
All the inspection results were acceptable according to per standard API 5B and API 5CT requirement.

8.Photos





visual and marking inspection



visual and marking inspection



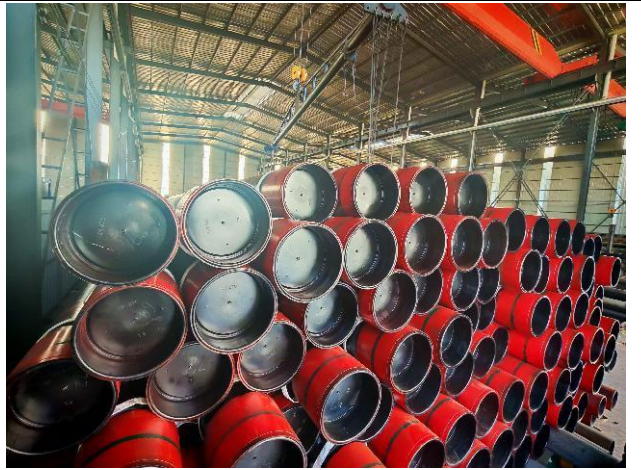
visual and packing inspection



visual and packing inspection



visual and packing inspection



visual and packing inspection



visual and marking inspection



visual and marking inspection



visual inspection



visual inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



dimension inspection



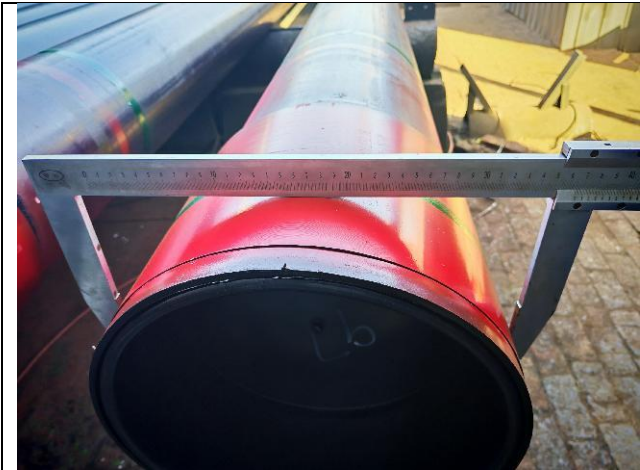
dimension inspection



dimension inspection



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dimension inspection



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dimension inspection



dimension inspection



dimension inspection



dimension inspection



drift test inspection



drift test inspection

Inspected by: Zhang Yonglin

Signature: *Zhang Yonglin*

Date: 2025.12.18

Reviewed by: Wang Zhongxiang

Signature: *Wang Zhongxiang*

Date: 2025.12.18