



REPORT OF THIRD-PARTY INSPECTION

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

Report No. & Version: 329250, Rev.00

Order No.: 7482605975

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,
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granted in writing.

The test results refer exclusively to the
units under test.



Revisions

Revision	Date	Changes
00	2025.10.16	First Issue

This report supersedes any previous revisions.



Product/Article List

Item No.	description	Qty (m)
1	API 5CT Casing pipe 13 3/8"68PPF BTC L80-1 R3 339.72x12.19mm	1623
2	API 5CT Casing pipe 9 5/8"43.5PPF BTC L80-1 R3 244.48x11.05mm	1715
3	Pup joint L80-1 13 3/8"68PPF BTC 3 meter/pcs	9
4	Pup joint L80-1 13 3/8"68PPF BTC 6 meter/pcs	18
5	Pup joint L80-1 9 5/8"47PPF BTC 3 meter/pcs	9
6	Pup joint L80-1 9 5/8"47PPF BTC 6 meter/pcs	18

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. Concentricity (drift diameter) checks. 20%
5. MTC shall be reviewed
6. 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 there have no obvious defects 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, Triangle A1 values according to the relevant standard requirement, all the measurement value were in the standard requirement range, the details as below table:



size	Casing pipe 13-3/8" L80-1 BTC339.72x12.19mm	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		340-341.6	12.1-12.7	365.0-365.1	270.2-271	122.4
size	Casing pipe 9 5/8" L80-1 BTC 244.48x11.05mm	OD(mm)	thickness(mm)	coupling OD(mm)	coupling length(mm)	Triangle A1
tolerance		±1%	±12.5%	269.88±2.7	≥269.88	122.24±0.79
actual measured		244.8-247	10.8-11.7	270.1-271.0	270.2-271	122.7
size	Pup joint 13-3/8" L80-1 BTC339.72x12.19mm-3m	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		341.2-341.5	12.1-12.7	365.0-365.1	270.2-271.2	122.4
size	Pup joint 13-3/8" L80-1 BTC339.72x12.19mm-6m	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		340-341.3	12.1-12.7	365.0-365.1	270.2-271.2	122.4
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-3m	OD(mm)	thickness(mm)	coupling OD(mm)	coupling length(mm)	Triangle A1
tolerance		±1%	±12.5%	269.88±2.7	≥269.88	122.24±0.79
actual measured		245.9-246.0	10.8-11.7	270.1-271.0	270.2-271.2	122.7
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-6m	OD(mm)	thickness(mm)	coupling OD(mm)	coupling length(mm)	Triangle A1
tolerance		±1%	±12.5%	269.88±2.7	≥269.88	122.24±0.79
actual measured		245.6-246.1	10.8-11.7	270.1-271.0	270.2-271.2	122.7

The results 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 loose one, every 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 509 9 5/8" 43.5PPF R3 L S P40.0 BC D 2414811 25709183 001

ABT 5CT-2175 API logo 509 13 3/8" 68PPF R3 L S P32.0 BC D 25B10657 R250922201 001

-pipe joint



ABT 5CT-2175 API logo 509 9 5/8" 43.5PPF 3M L S P40.0 BC D 2414810 25709184
 ABT 5CT-2175 API logo 509 13 3/8" 68PPF 3M L S P32.0 BC D 25B10656 R250922204
 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

size	Casing pipe13-3/8" L80-1 BTC339.72x12.19mm	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.40±0.05	0-2.54
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	0.8-2.1
size	Casing pipe9 5/8" L80-1 BTC 244.48x11.05mm	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.40±0.05	0-2.54
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	0.2-1.7
size	Pup joint13-3/8" L80-1 BTC339.72x12.19mm-3m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.40±0.05	0-2.54
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	0.9-1.9
size	Pup joint 13-3/8" L80-1 BTC339.72x12.19mm-6m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.40±0.05	0-2.54
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	1.3-1.7
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-3m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.40±0.05	0-2.54
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	1.5-2.0
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-6m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.40±0.05	0-2.54



actual measured	0.061-0.064	1.57-1.59	25.39-25.41	1.4-1.9
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For coupling end

size	Casing pipe 13-3/8" L80-1 BTC339.72x12.19mm	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.4±0.05	2.54-5.08
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	3.9-4.8
size	Casing pipe 9 5/8" L80-1 BTC 244.48x11.05mm	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.4±0.05	2.54-5.08
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	3.2-4.8
size	Pup joint 13-3/8" L80-1 BTC339.72x12.19mm-3m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.4±0.05	2.54-5.08
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	3.9-4.7
size	Pup joint 13-3/8" L80-1 BTC339.72x12.19mm-6m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.4±0.05	2.54-5.08
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	3.8-4.8
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-3m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.4±0.05	2.54-5.08
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	4.5-4.9
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-6m	taper (in/in)	tooth height(mm)	thread pitch(mm)	thread standoff(mm)
tolerance		0.060-0.067	1.57±0.0254	25.4±0.05	2.54-5.08
actual measured		0.061-0.064	1.57-1.59	25.39-25.41	3.9-4.3

The result of the threading checks was satisfactory.

4. Concentricity (drift diameter) checks. 20%

TÜV SÜD inspector have checked the drift dimension before drift

-For 339.72x12.19mm the drift OD > 311.75mm, length > 305mm

-For 244.48x11.05mm, the drift OD > 218.41, length > 305mm,

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



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

5.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.

6.pipe length checks 20%

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

size	Casing pipe13-3/8" L80-1 BTC339.72x12.19mm	length
actual measured		11.2m-11.84m
size	Casing pipe9 5/8" L80-1 BTC 244.48x11.05mm	length
actual measured		11.51m-11.82m
size	Pup joint13-3/8" L80-1 BTC339.72x12.19mm-3m	length
actual measured		3010-3037
size	Pup joint 13-3/8" L80-1 BTC339.72x12.19mm-6m	length
actual measured		6034-6038mm
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-3m	length
actual measured		3002-3014mm
size	Pup joint 9 5/8" L80-1 BTC 244.48x11.05mm-6m	length
actual measured		6023-6030mm

The result of pipe length checks was satisfactory.

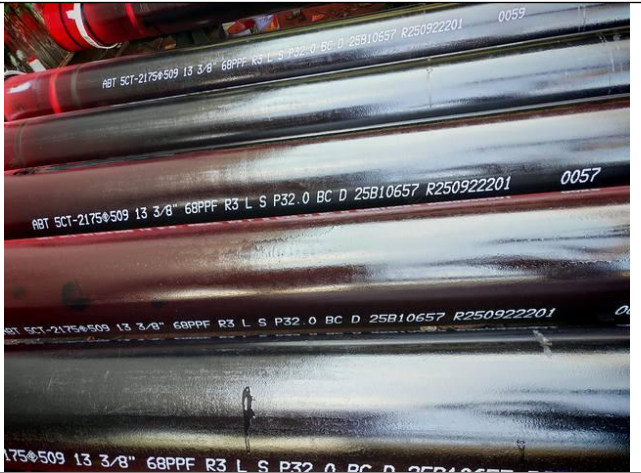
7.Conclusion

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 marking inspection



visual and marking inspection



visual and marking inspection



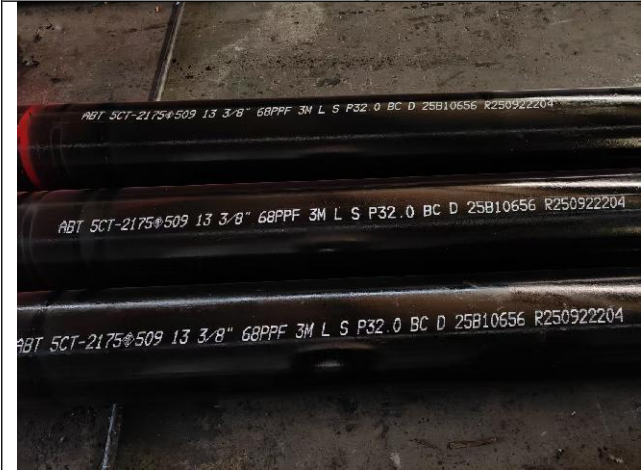
visual and marking inspection



visual and marking inspection



visual and marking inspection



visual and marking inspection



visual and marking inspection



packing inspection



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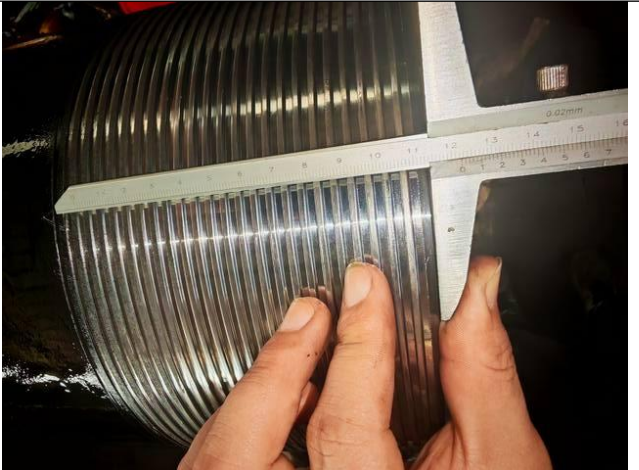
dimension inspection



dimension inspection



dimension inspection



dimension inspection



drift test inspection



drift test inspection



Inspected by: Zhang Yonglin

Signature: *zhang yonglin*

Date: 2025.10.15

Reviewed by: Wang Zhongxiang

Signature: *wang zhongxiang*

Date: 2025.10.15