



Industry & Facilities Division
Third Party Inspection Report

INSPECTION REPORT No. INS/NR/SHOP-25/374		Revision No.01
<input type="checkbox"/> Initial <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final <input type="checkbox"/> Resident <input type="checkbox"/> Remote		
Inspection requested by: Hebei Abter Steel Pipe Co., Ltd.		
Inspection performed as Recognised Authority: <input type="checkbox"/> Yes, :(Recognition) <input checked="" type="checkbox"/> No		
BV Job Nr: INS-NR/SHOP-25/374		

Project: Third party inspection of tubing and pup joint	IPO Ref (If applicable): N/A (BV internal P/o)
BV Client: Hebei Abter Steel Pipe Co., Ltd.	P/o nr: INS/NR/SHOP-25/374 (client to BV)
Manufacturer/Vendor: HEBEI ABTER STEEL PIPE CO., LTD.	P/o nr: N/A (client to Manufacturer)
Sub-Vendor (If applicable): LINZHOU BAORUI PETROLEUM SPECIAL PIPE CO., LTD.	
Inspection Location (Address): NORTH OF THE INTERSECTION OF ANYAO ROAD AND LINGYANG ROAD, NATIONAL HONGQI CANAL ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, LINZHOU CITY, ANYANG CITY, HENAN PROVINCE CHINA	Previous Inspection (If applicable): N/A (Date)
Inspection Location (GPS Coordinates): N/A	Next Inspection (If applicable): N/A (Date)
Inspection performed on: 31 Jul, 2025	Total No. of Inspection Days: 1 day

MATERIAL / SUBJECT OF INSPECTION <input type="checkbox"/> Refer to attachment section J instead (Indicate if separate material list is provided in attachment)	ITEM / TAG Nr	QTY As per P/O	QTY Offered for inspection
API 5CT 2 7/8"(73.02 mm),6.5 PPF (5.51 mm), L-80, EUE, R2	/	4900m 521pcs	4900m 521pcs
API 5CT 2 7/8"(73.02 mm),6.5 PPF(5.51mm), L-80, EUE, R2 pup joints, 2ft	/	2pcs	2pcs
API 5CT 2 7/8"(73.02 mm),6.5 PPF(5.51mm), L-80, EUE, R2 pup joints, 4ft	/	2pcs	2pcs
API 5CT 2 7/8"(73.02 mm),6.5 PPF(5.51mm), L-80, EUE, R2 pup joints, 6ft	/	2pcs	2pcs
API 5CT 2 7/8"(73.02 mm),6.5 PPF(5.51mm), L-80, EUE, R2 pup joints, 8ft	/	2pcs	2pcs
API 5CT 2 7/8"(73.02 mm),6.5 PPF(5.51mm), L-80, EUE, R2 pup joints, 10ft	/	2pcs	2pcs
API 5CT 2 7/8"(73.02 mm),6.5 PPF(5.51mm), L-80, EUE, R2 pup joints, 12ft	/	2pcs	2pcs

A – INSPECTION RESULT		
<input checked="" type="checkbox"/> Satisfactory (Without comments)	<input 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)
Inspection Summary: (for details refer to section E)		
BV inspector performed the third party inspection for tubing and pup joints according to reference standard and client requirements. Inspection rate: 10%: 1. Visual and dimensional checks 2. Packing and marking checks 3. Threading checks 4. Concentricity (drift diameter) checks 5. MTC shall be reviewed 6. Pipe length checks The inspection result was satisfactory.		
Open Non Conformities:	<input type="checkbox"/> Yes, details in section G	<input checked="" type="checkbox"/> No
Open Punch List Items:	<input type="checkbox"/> Yes, details in section H	<input checked="" type="checkbox"/> No
Release Note Issued:	<input type="checkbox"/> Yes, number(s): (Release Note number)	<input checked="" type="checkbox"/> No
BV Traceability Stamping:	<input type="checkbox"/> Yes,	<input checked="" type="checkbox"/> No



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BV Inspector: Liu Hui <i>Liu Hui</i>	BV Coordinator: Chunjie Xu (Name and Signature)
BV Office: BVQS	Inspection Report Date: Aug.01,2025
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:					
<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
Specification for Casing and Tubing	API 5CT	11	APPROVAL	API	2018
Specification for Threading, Gauging	API 5B	16	APPROVAL	API	2017

C - ATTENDEES		
Name	Position	Representing
Liu Hui	Inspector	BV
Hou Haixia	Quality Manager	LINZHOU BAORUI PETROLEUM SPECIAL PIPE CO., LTD.

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
Threaded top diameter rod(2 7/8"EU-W)	A:NO.19011147 B:N0.4175	2024.09.04	2025.09.03
UT thickness gauge(TT100)	24080628	2024.08.10	2025.08.09
Steel tape(20m)	GJC-01	2024.08.21	2025.08.20
Vernier caliper(0~300)mm/0.02mm	E19438	2024.08.18	2025.08.17
External thread gauge(2 7/8"UPTBG 环)	0067 0624	2024.09.07	2025.09.06
Tooth top height sample(CDGK 1:168 牙/10 牙)	210104	2024.12.05	2025.12.04
External thread top diameter gauge	EL1250000-02	2025.01.03	2026.01.02
External thread pitch gauge(5690-G)	EL1204000-05(6737)	2025.01.03	2026.01.02
Pitch sample(LJK1 1:16)	EL1206000-04(879)	2025.01.03	2026.01.02
Internal thread tooth top height gauge(WDGN2 RD8)	6680(01802)	2024.09.04	2025.09.03
Internal thread height gauge(WGN)	6732(01752)	2024.09.04	2025.09.03
Depth gauge(0~200)mm/0.02mm	9498	2024.08.18	2025.08.17
External thread tooth top height gauge(EAG02 RD10)	3071072	2025.01.03	2026.01.02
External thread taper gauge(#5609)	EL1201000-02	2025.01.03	2026.01.02
External thread tooth height gauge(WGW)	6889(02055)	2024.09.04	2025.09.03
Tooth height sample(THS01 8 牙 10 牙)	1712142	2025.01.03	2026.01.02



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E - INSPECTION DETAILS

E – General

When the BV inspector arrived at the factory, the tubing and pup joints had already been produced and were awaiting inspection.

According to the customer's requirements and reference standards, the inspector inspected the tubing and the pup joint. The details were as follows:

E1 – Details of Witness (W) & Hold (H) Inspection Points

1. Visual and Dimensional checks at rate 10%

1.1 BV inspector inspected the appearance of the tubing and the pup joint according the standard API 5CT. The surface was coated with black paint, smooth and flat, and no defects such as rust, deformation or damage were found.

1.2 Dimensional check for the tubing and pup joint as per API 5CT standard. The results were acceptable. Details as below:

(Unit: mm)

Product	Inspection item	Req.	Act.	Result
Tubing	OD	72.23~73.81	72.8~73.5	Acc.
	WT	≥4.82	5.4~6.1	Acc.
Pup Joint 2ft	OD	72.23~73.81	73.6	Acc.
	WT	≥4.82	5.4	Acc.
Pup Joint 4ft	OD	72.23~73.81	73.4	Acc.
	WT	≥4.82	5.5	Acc.
Pup Joint 6ft	OD	72.23~73.81	73.5	Acc.
	WT	≥4.82	5.4	Acc.
Pup Joint 8ft	OD	72.23~73.81	73.4	Acc.
	WT	≥4.82	5.5	Acc.
Pup Joint 10ft	OD	72.23~73.81	73.5	Acc.
	WT	≥4.82	5.5	Acc.
Pup Joint 12ft	OD	72.23~73.81	73.5	Acc.
	WT	≥4.82	5.5	Acc.

2. Packing and Marking check at rate 10%

2.1 BV inspector inspected the packaging of the tubing and the pup joint, The inspection results were as follows:



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- The threads at both ends of the tubing and pup joint were protected with thread protectors.
- Multiple tubing are tied together with steel tape, and tied firmly and neatly.
- The pup joints were wrapped with plastic and placed in wooden boxes.

2.2 BV inspector inspected the markings of the tubing and the pup joint. The inspection results were as follows:

The tubing marking:	
On the pipe body:	FB API 5CT-1043 API logo 07-25 2-7/8 6.50 L S P66.5MPA EU D 9.45M Weight Heat No. Lot No. Pipe No.
Number and Color of Band:	One red, one brown
On the coupling:	1、FB API 5CT-1043 API logo 05-25 2-7/8 L EU (Heat No.) (Lot No.) B1794 J-C 2、EU
Color for Coupling:	Entire Coupling-red Bands-one brown
The pup joint marking:	
On the pipe body:	FB API 5CT-1043 API logo 2-7/8 6.5 EU D Length Heat No.
Number and Color of Band:	One red, one brown
On the coupling:	FB API 5CT-1043 API logo 07-25 2-7/8 L EU (Heat No.) (Lot No.) B0611 J-C
Color for Coupling:	Entire Coupling-red Bands-one brown

3. Threading checks at rate 10%

BV inspector performed thread dimensional check for the tubing and the pup joint as per API 5B standard. The result was acceptable. Details as below:

Product	Thread end								
	Standoff	Thread height	Lead	Tooth addendum	Taper	Thread crest diameter	Thread ovality	L4	
Req.	±3.175 mm	±0.05 mm	±0.076 mm	±0.038 mm	60-67 in	±0.008 in	≤0.008 in	53.98 ±3.175mm	
Act.	Tubing	-0.2 ~+1.4	-0.01~0	-0.01 ~+0.01	0 ~+0.02	61~63	-0.003 ~+0.002	0~ 0.006	53.6 ~54.1
	Pup Joint 2ft	+1.4	0	0	-0.01	63	-0.00025	0.005	53.6
	Pup Joint 4ft	+1.7	0	+0.01	0	63	-0.001	0	53.8
	Pup Joint 6ft	+1.2	0	0	0	62	-0.001	0.002	54.0
	Pup Joint 8ft	+1.6	0	0	0	62	-0.003	0.002	54.1
	Pup Joint 10ft	+0.8	0	+0.01	0	62	+0.005	0.001	53.9
	Pup Joint 12ft	+1.0	0	0	0	62	+0.002	0.003	53.8



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Product		Coupling end			
		Thread height	Tooth addendum	L	OD
Req.		±0.05	±0.038	≥133.35	92.2~94.1
Act.	Tubing	-0.02~+0.03	-0.02~+0.02	133.8~134.5	92.9~93.5
	Pup Joint 2ft	+0.02	-0.01	134.0	92.7
	Pup Joint 4ft	+0.02	0	134.1	92.7
	Pup Joint 6ft	+0.03	0	133.8	93.1
	Pup Joint 8ft	+0.01	0	133.9	93.4
	Pup Joint 10ft	0	-0.01	134.0	93.1
	Pup Joint 12ft	0	-0.02	134.1	93.2

4. Concentricity (drift diameter) checks at rate 10%

BV inspector witnessed drift process, drift bar OD was 59.9mm, length was 1095mm, the drift bar could across during drift, The result was acceptable.

5. Review MTC

BV inspector performed the document review, the follows document submit by manufacturer:

- MTC

All the above documents meet the requirements and the test results were qualified.

6. Pipe length checks at rate 10%

BV inspector inspected the lengths of the tubing and the pup joint. The inspection results were as follows:

Product	L (mm)		Result
	Req.	Act.	
Tubing	8530~9750	9447~9462	Acc.
Pup Joint 2ft	610 ± 76	621	Acc.
Pup Joint 4ft	1220 ± 76	1295	Acc.
Pup Joint 6ft	1830 ± 76	1867	Acc.
Pup Joint 8ft	2440 ± 76	2481	Acc.
Pup Joint 10ft	3050 ± 76	3064	Acc.
Pup Joint 12ft	3660 ± 76	3688	Acc.

E2 – Details of Monitoring and Surveillance Patrols

Tick if conducted during the visit

N/A



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E3 – Details of Certificates Review	<input type="checkbox"/> Tick if conducted during the visit
1. Calibration certificate 2. MTC	

F – HEALTH, SAFETY & ENVIRONMENT COMMENTS
<i>(Comment on Observations and Actions Taken During the Inspection)</i>
<p>The HSE department is responsible for HSE management. A clear organization established which include office and workshop staffs.</p> <p>Safety production standardization system is seen established and documented. Production is under government guideline and industry code of practice. Policy and objectives of HSE are seen established in HSE management system.</p> <p>Relevant training about safe use of equipment and machines and plant emergency escape were performed annually.</p>

G- NON CONFORMITIES							
<input type="checkbox"/> Refer to attachment section J instead <i>(Indicate if separate punch list is provided in attachment)</i>							
Item	Description	Status	Raised on	Report Nr.	Closed on	Report Nr.	Comments
None.							

H – PUNCH LIST ITEMS							
<input type="checkbox"/> Refer to attachment section J instead <i>(Indicate if separate punch list is provided in attachment)</i>							
Item	Description	Status	Raised on	Report Nr.	Closed on	Report Nr.	Comments
None.							

I - DIGITAL PICTURES



Tubing



Pup joint



Packing check



Packing check



Packing check



Packing check



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Marking check



Marking check



Marking check



Marking check



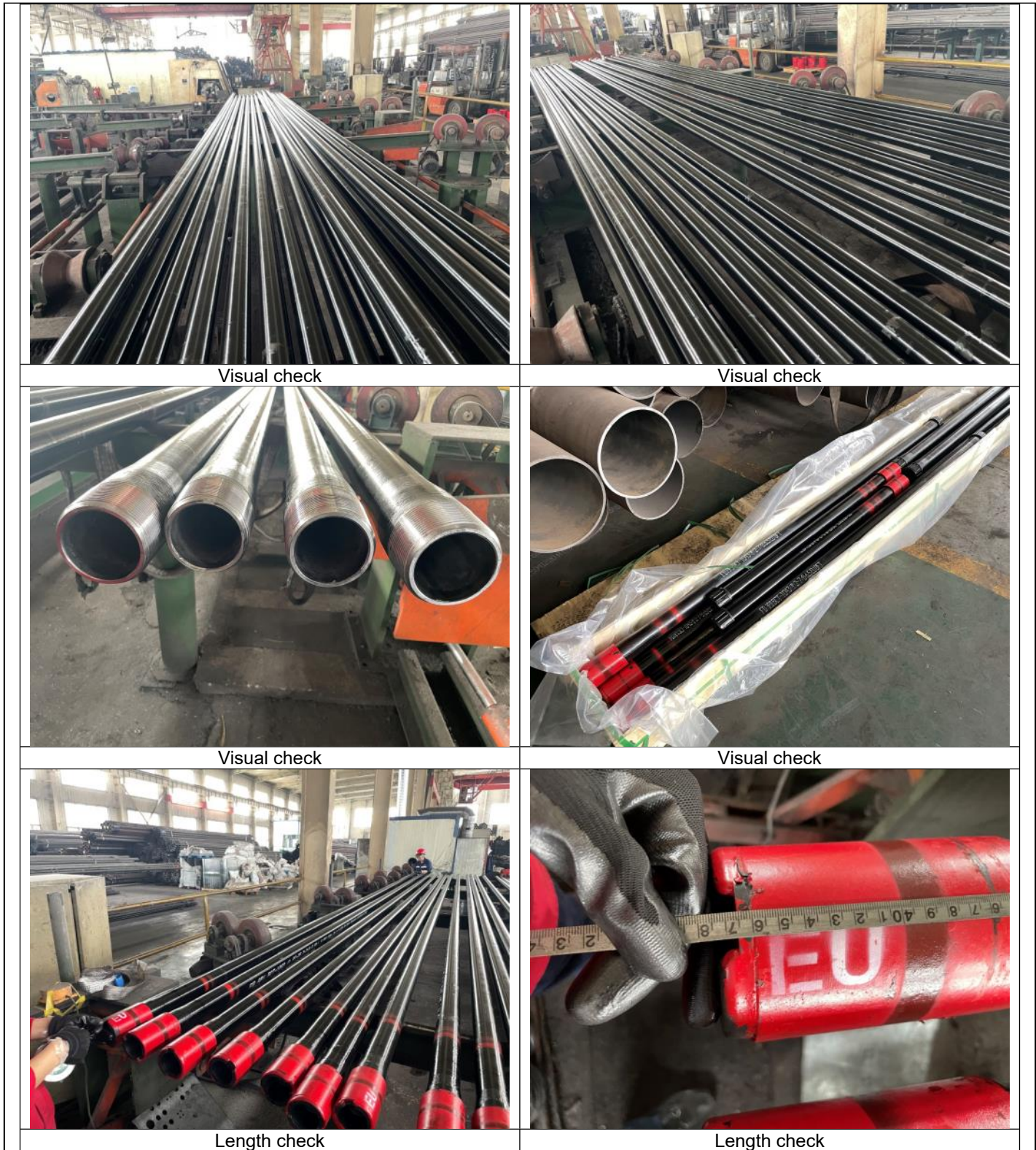
Marking check



Marking check



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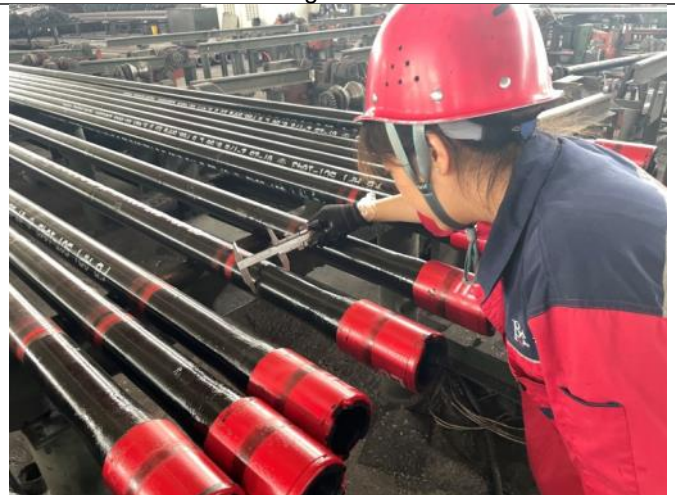
Length check



Length check



Dimensional check



Dimensional check



Dimensional check



Dimensional check



Dimensional check



Dimensional check



Thread check



Thread check



Thread check



Thread check



Thread check



Thread check



Thread check



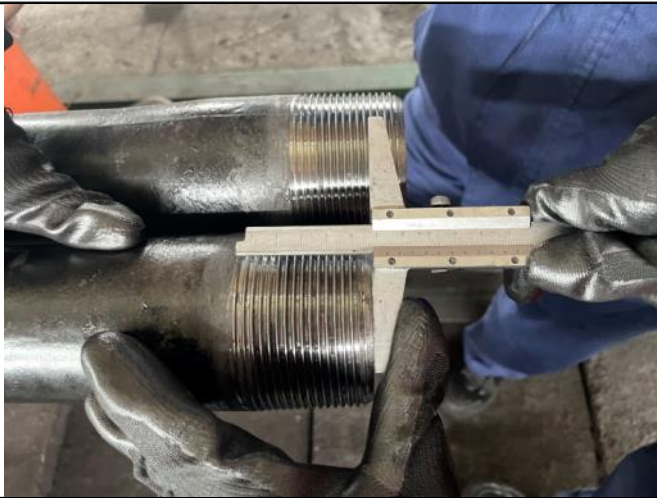
Thread check



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Thread check



Thread check



Thread check



Thread check



Concentricity(drift diameter) check



Concentricity(drift diameter) check



Concentricity(drift diameter) check



Concentricity(drift diameter) check



Concentricity(drift diameter) check



Concentricity(drift diameter) check



MTC



MTC



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J – ATTACHMENTS

Item	Attachment Name	Total Pages	Description
1	Att.01- MTC	6	/
2	Att.02- Calibration certificates	36	/

END OF REPORT