



Inspection Order No. : IN-TJ-5404-11003-04 (2012/CTS/101325)
Boss no.: 1054323
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Date of issue: 13 April., 2012

INSPECTION REPORT

(non-negotiable)

- **Description and Quantity of Commodity:** ASTM A376 TP347H Steel pipe 5”
26pcs
- **Name & Address Of Buyer:** German Piping Systems
Jinke Olyebc Dubai United Arab Emeriates
- **Name & Address Of Seller:** Chengdu Derbo Steel Co.,Ltd
- **Inspection Date & Place:** April 11-12, 2012., Zhejiang Wenzhou city
- **P/I No.:** 89P57 Date: 6-Feb 2012
- **Nature Of Inspection:**

	Item		Result
	Quantity check	Acceptable	
	Packing and marking check	Subject to buyer’s evaluation	
	Visual quality check	Subject to buyer’s evaluation	
	Dimension check	Subject to buyer’s evaluation	
	Witness test	Subject to buyer’s evaluation	
	Sample	Pending	
- **Inspector:** Hamish Xu

This is to report that we, SGS-CSTC Shanghai Branch at the request of Kaveh Mobadel Industrial Company conducted the following inspection:

Instrument checklist

During the inspection, the following instrument calibration status has been checked for inspection:

No.	INSTRUMENT DESCRIPTION	CALIBRATION STATUS	CERTIFICATE NO. (OPTIONAL)
1	Vernier caliper 0~150mm	N/A	N/A
2	Tapper ruler 10m	N/A	N/A
3	Hydraulic test machine	N/A	N/A

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Inspection Finding:

1. Quantity Check:

- ♦ Reference documents:
→ [Proforma invoice no.: 89P57]
- ♦ Method of quantity check
→ [Total quantity counting]

NO.	DESCRIPTION	REQ. QUANTITY	ACT. QUANTITY
1	ASTM A376 TP 347H SMLS 5" 160SCH	26pcs	26pcs, 8pcs/bundle*1budnle+7pcs/bundle*1bundle+6 pcs/bundle*1budnle+5pcs/bundle*1bundle
Total		26pcs	26pcs packed into 4bundles

Note: The quantity checked result was same as PI provided by client.

2. Packing and marking check

- ♦ Sample size: [ANSI/ASQ, Z1.4-2008, L-II, 8pcs totally]

Packing check

Outer package:

Some pipes were bundled up by two metal wires firstly, and then wrapped by knit.

Marking check

Mark on package: [nothing was found.]

Mark and label on the product:

ASTM A376 TP347H 141.3XSCH160X9300mm HEAT NO: 10-359

3. Visual Quality Check:

- ♦ Sample size: [ANSI/ASQ, Z1.4-2008, L-II, 8pcs totally]

During this inspection, totally 8pcs samples were selected randomly for visual check, SGS inspector observed the surface carefully, and some scratches and dirt areas were found, below pictures for your reference:





Remark:

- The result was subject to buyer's evaluation.

4. Dimension Check:

- Sample size: [ANSI/ASQ, Z1.4-2008, s-4, 5pcs totally]
- Reference document: [ASTM A376, ASTM A999 & ASME B36.10]

During this inspection, totally 5pcs samples were selected for dimension check, the results were as follow:

Item	Length	OD	WT
Required	9300mm	141.3mm (+1.6mm/-0.8)	15.88mm (>87.5%)
Checked	9308~9322mm	141.0~141.9mm	14.3~15.2mm

Remark:

- The data was just for reference due to the equipment employed by manufacturer was not calibrated or verified, the conclusion was pending to client.
- The actual length should be evaluated by the buyer.
- For WT SCH160 please refers to ASME B36.10M-2000.
- The tolerance was according to ASTM A999.

5. Witness hydraulic testing

- Sample size: [ANSI/ASQ, Z1.4-2008, s-4, 5pcs totally]
- Reference document: [ASTM A999]

5pcs samples were selected randomly for hydraulic test, the result was as follow:

Sample	Test pressure	Holding time	Result
ASTM A376 TP347H 5" XSCH160X9300 (5pcs)	19.0MPa	5S	Acceptable

Remark:






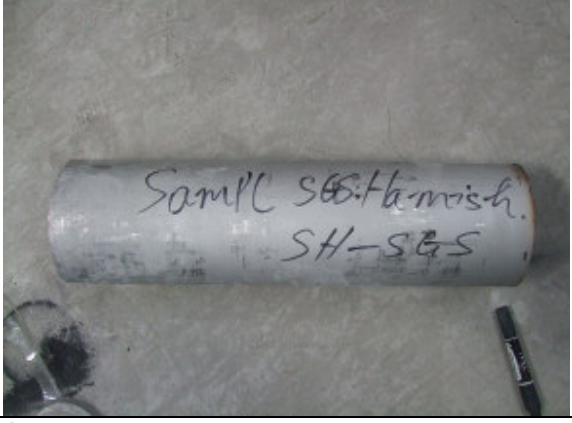
- The test method was according to ASTM A999.
- The test medium was potable water.
- The test equipment and pressure meter was not calibrated or verified.
- When the test pressure arrived, SGS inspector checked the surface carefully by visual, no obviously leakage was found, and the conclusion was pending to client.

6. Sample:

A short length of pipe nearly 500mm was cut from a whole pipe, SGS inspector will sent it to lab for further test.

THIS REPORT ONLY REFLECTED OUR ACTUAL FINDINGS. THE INSPECTION WAS DONE TO THE BEST OF OUR KNOWLEDGE AND ABILITY AND WITH DUE CARE. THE FINDINGS ARE VALID AS FOR TIME AND PLACE OF INSPECTION.

Attachment: photos during inspection

	
Storage condition and packing check	Marking on pipe
	
Visual and dimension check	Hydraulic test
	
Hydraulic test pressure 19.0MPa	Sample for further test

The end of report!