



CERTIFICATE

Quality-Assurance System

acc. to European Directive 97/23/EC

Certificate No.: 01 202 USA/Q-08 7928

Name and address of manufacturer: **Hoke, Inc.
405 Centura Court
Spartanburg, SC 29303**

The TÜV CERT Certification Body for Pressure Equipment hereby certifies that the above - mentioned manufacturer operates a quality system according to the European Directive 97/23/EC. The manufacturer has the permission to affix the following CE marking to pressure equipment described and manufactured in accordance to the scope covered by this Quality-Assurance System:

CE 0035

Approved acc. to Directive 97/23/EC: **QA-System (Module D)**
The QS-Modules E1, E and D1 of the Directive are performed by Module D

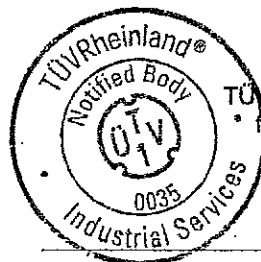
Audit Report No.: **USA/Q-08 7928**

Scope: **Manufacture of fittings, sampling cylinders and valves**

Plant: **Hoke, Inc.
405 Centura Court
Spartanburg, SC 29303**

Valid until: **April 2011**

Cologne, April 25, 2008



TÜV CERT-Certification Body
for Pressure Equipment

Dr.-Ing. Wichert

Notified Body, ID-No. 0035

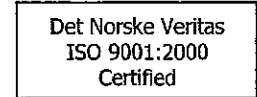
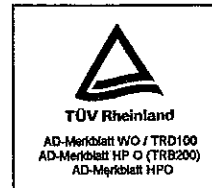
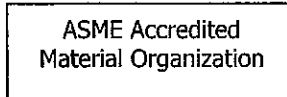
TÜV Rheinland Industrie
Service GmbH
Am Grauen Stein
51105 Köln

Tel. ++49-221/806-0
Fax ++49-221/806-1354
e-mail tueval@de.tuv.com

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE



405 Centura Court – P.O. Box 4866 – Spartanburg, S.C. – (864) 574-7966 – Fax: (864) 587-5608

**Declaration of Conformity
According to Directive 1999/36/EC For Transportable Pressure
Equipment and Pressure Equipment Directive 1997/23/EC**

HOKE Inc. herewith declares that the transportable pressure equipment

Description:	Seamless Cylinders
Year of Manufacture:	2008
Type, Serial, Identification No:	Transportable Pressure Vessel Model/Part Number of Pressure Vessel: 4, 6 & 8 HS 150-CE, 300, 500, 1000, 2250, 3000- CE 4, 6, & 8 HD 150, 300, 500, 1000, 2250. 3000, 1G, 2.5G - CE 4, 6 & 8 LD 150,300, 500, 1000, 2250, 3000-CE
Max Allowable Working Pressure (PS):	125 Bar (HS and HD Series) 27.6 Bar (LD Series)
Min/Max Allowable Temperature (TS)	-50/+50 °C
Volume (V):	0, 15 to 15,142 L
Test Pressure (PT):	HS/HD Series 186 Bar LD Series 41.4 Bar
Pressure Test Medium:	Water (H ₂ O)
Fluid-Gas Group	1

Corresponds to Transportable Pressure Directive 1999/36/EC

Applied Conformity Assessment Procedures:	Module B + D
Applied Standards and Technical Specifications:	1999/36/EC
Other Applied EC Directives:	EN 1964-3

**Engaged Notified Body
Inspections**


TÜV Rheinland Industrie Service GmbH
Am Grauen Stein
Cologne, Germany

π 0035

**EC-Type Examination Certificate No:
Surveillance of QS System:**

**D-ZLS-0035-014/02
01-202 USA/Q-08 7928 (TPED/PED)**

Dated: July 31, 2008



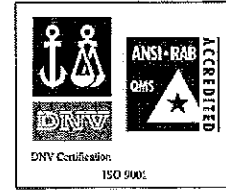
Circor Instrumentation Technologies
DBA: Hoke Incorporated



A division of CIRCOR International, Inc. ®

GO REGULATOR, INC.
A division of CIRCOR International, Inc.

ASME Accredited
Material Organization



405 Centura Court • P.O. Box 4866 • Spartanburg, SC 29305 • (864) 574-7966 • Fax: (864) 587-5615

March 20, 2003

Statement of Conformity

Transportable Pressure Equipment Directive 1999/36/EC

To Whom It May Concern:

In accordance with the requirements of **Transportable Pressure Equipment Directive 1999/36/EC**, and **EC-Type Examination (Module B), Test Report # 111-Mü/Ba dated January 09, 2003**, Hoke Incorporated, Spartanburg, SC USA does hereby certify that the types of seamless sample cylinders made of stainless steel have been accepted to the requirements of EN-1964-3: 2000 and fully meet the requirements of the Directive 1999/36/EC.

Drawing No: (Type):(**):	6 HS 150-CE	8 HD 2250-CE	8 HD 4G-CE
	6 HS 300-CE	8 HD 3000-CE	8 LD 1000-CE
	6 HS 500-CE	8 HD 1G-CE	8 LD 2250-CE
	8 HD 1000-CE	8 HD 2.5G-CE	8LD 3000-CE

(**) Variable end connections in size 4, 6 and 8 as applicable in each series

In this regard, **Notified Body ID No. 0035, TÜV Anlagentechnik GmbH, Am Grauen Stein, 51105 Cologne Germany** have issued **EC Type Examination Certificate No. D-ZLS-0035-014/02**, and **Conformity to Type (Module C1) Certificate No. D-ZLS-0035-015/02**, valid until **December 31, 2012** to Hoke Incorporated, on March 04, 2003, Authoritative German Certificate shall remain on file at Hoke Incorporated, 405 Centura Court, Spartanburg, South Carolina-USA and shall be available for review upon request. As authorized by above listed Certificates of approval, all herein approved transportable pressure vessels shall bear the TPED Mark of Conformity thus:

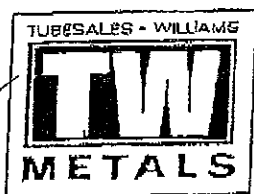
π 0035

This statement of Conformity shall remain a part of the Technical Documentation file consisting of engineering drawings, Design Calculations, Certificates of Approval and any other pertinent data concerning this TPED 1999/36/EC approval for the herein stated transportable pressure vessels for the period specified in said certificate, on file at Hoke Incorporated and shall be available for review upon request.

Please contact Mr. Arthur H. Long, Telephone +864.574.7966, Ext 1173, Fax +864.587.5615 should any question arise.

HOKE INCORPORATED


Arthur H. Long
Director, Corporate Quality Assurance



CERTIFICATIONS

✓ FRAUD AND FALSIFICATION STATEMENT

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under statutes including federal law. Title 18 chapter 47

✓ CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications

✓ WELD REPAIR STATEMENT

TW Metals has not performed, or authorized any weld repairs to the material supplied against your purchase order listed on this document

✓ MERCURY FREE STATEMENT

We certify, with the information supplied to us by the producing mills and our vendors, that mercury, radium or alpha bearing instruments and/or equipment which might cause contamination have not been used in the manufacture, fabrication, assembly or testing of any material supplied by TW Metals Inc. Switches, glass thermometers, standard cell or other items containing the above elements may be used but they will be located so as not to constitute a contamination hazard

Customer Name: Hoke Inc.

Purchase order No 752038 ✓

Item number 38747 Shipper/Invoice No.. 20109412

Material SMCS 304 Specification A-312 ✓

Manufacturing Mill Tubacex

Size 3 1/2 sch 40 Heat/Lot NO.. 37433 ✓

Part No 183CT1566 ✓ Quantity 41.583' ✓

Manufacturer Tubacex

BY [Signature]
TEST DEPARTMENT CLERK

RANDY VOGELI - QA COORDINATOR

Hoke Internal
Heat Control No. A908
Hoke Part No. 183CT1566
Heat No. 37433 41 10/2/09

CERTIFICATIONS CHECKED
TO SPECIFICATION
HOKE O. C. DEPT RT
10/2/09

49196811



T.T.I. - Tubacex Tubos Inoxidables, S.A.

Registro Mercantil de Atocha, Tomo 487, Folio 100, Hoja VI 2808 - R.I.F. A-01140227

Printed on:
25.10.2006

INSPECTION CERTIFICATE

EN 10204 3.1

Number: 384442
Page: 1 / 1

Rev: 0

Date: 25.10.2006

25.10.2006

CUSTOMER : GLOBAL STAINLESS SUPPLY INC PO 4699
 STANDARD : ASTM-ASME A/SA312 + A-SA376 MD.04 ADD.05
 ADDIT.SPECS : NACE MR01.75-03
 GRADE : TP304-304L
 DIMENSIONS : 3.1/2" SCH 40 S
 MATERIAL : SEAMLESS STAINLESS STEEL TUBE
 HOT FINISHED; PASSIVATED;
 PLAIN ENDS SQUARE CUT;

OUR REFERENCE: J5407

36583

ITEM-YOUR	HEAT-TTI.	HEAT-NR.	NO. OF PIERCES	WEIGHT-KG	TOTAL LENGTH	UNIT LENGTH
	11	37433	9	847	189,34	20' - 24'

RAW MATERIAL
 MELTING PROCESS: ELECTRIC FURNACE + A.O.D FROM: ACERALAVA
 PEELED BARS; MACROETCH TESTING: GOOD;

(1)	C	Mn	Si	P	S	Ni	Cr	Mo	Cu	V	Ti	Nb
L 37433	0,014	1,45	0,360	0,025	0,0010	10,20	18,25	0,32	0,28	0,047	0,003	0,019
C 37433	0,015	1,45	0,350	0,025	0,0010	10,20	18,20	0,31	0,28	0,048	0,003	0,020
	W	Co	N									
L 37433	0,010	0,070	0,0645									
C 37433	0,010	0,070	0,0650									

(1) L: LADLE; C: PRODUCT

HEAT TREATMENT
 SOLUTION ANNEALED 1040 °C RAPIDLY COOLED

NR.	NR.	T(°C)	RM	RP 0,2	RP 1,0	%	%	T(°C)	MINIMUM	AVERAGE	HRB
HEAT TEST	608933	20	92,8	54,1	68,9	45,0					88 89

FLATTENING TEST: GOOD

METALLURGICAL TEST
INTERGRANULAR CORROSION: A 262 PRACT"E" / 5 TESTS ACC. MIL-P-1144D+24691/3 NOT OBJECTIONS

NON DESTRUCTIVE TEST
 100 % HYDROSTATIC PRESSURE TESTED AT 1700 PSI , DURING 5 SEC. GOOD
 STEEL GRADE CHECKING ON EACH TUBE BY SPECTROMETRY (PMI)
 DIMENSIONAL CHECKING ON EACH TUBE, SATISFACTORY
 VISUAL INSPECTION ON EACH TUBE, SATISFACTORY

MARKS
 TUBACEX ASTM-ASME A-SA 312 TP304-304L A-SA 376 TP304 3.1/2" SCH 40S
 SMLS 1700 PSI HEAT/.37433. S10 PMI SPAIN P.O. 4699

REMARKS
 NO WELD REPAIR WAS PERFORMED
 NO MERCURY, MERCURY COMPOUNDS OR MERCURY BEARING INSTRUMENTS AND/OR EQUIPMENT HAVE BEEN USED ALONG MANUFACTURING AND INSPECTION PROCESS.

TW METALS REPORTS
 TEST JUN 24 2008
 RRV

Hoko Internal
 Heat Control No. A 908
 Hoko Part No. 183CT 1566
 Hsm No. 37433 K57 10/2/09

CERTIFICATIONS CHECKED
 NO SPECIFICATION BY
 HOKO O.C. DEPT.
 K57 10/2/09



We hereby certify that the material herein described has been manufactured, sampled, tested and inspected in accordance with above standards and specifications and will be used as intended.
 Our certificate is based on a computerized system and is valid without signed documents. In case the parts of the customer work require a copy of 4, we must state its conformity to the issued, assuming the responsibility for any material or T.T.I.S.A. not shown here.
 Any copy or alteration of this certificate without proper procedure

ACCEPTED BY
 INGENIERIA O.C. DEPT.
 JOK ALONSO ZARAGOZA

9/25/2009

Material Testing and Non-Destructive Testing

STEVEN WILLIAMS
TWMETALS
PO BOX 7084
10404 GRANITE ST
CHARLOTTE NC 28241

1200 Westinghouse Blvd., Suite A
Charlotte, NC 28273
USA

Telephone : (704) 588-1131
Telefax : (704) 588-5412
Website : www.storksmt.com/herron-charlotte

P.O. No.: 20109412

W/O No.: TWM002-09-24-42875-1

TEST REPORT

Description: 1" SMLS 304L 3.5 sch 40 Sample
Heat: 37433 ✓
Order Number: 20109412

304L

Element		Result %	Min %	Max %
C	=	0.018 ✓	0.000	0.030
Mn	=	1.46 ✓	0.00	2.00
P	=	0.026 ✓	0.000	0.045
S	=	0.011 ✓	0.000	0.030
Si	=	0.38 ✓	0.00	1.00
Cr	=	18.07 ✓	18.00	20.00
Ni	=	10.48 ✓	8.00	12.00
Mo	=	0.32	0.00	NS
Cu	=	0.29	0.00	NS
Fe	=	Balance	Balance	Balance

TEST METHOD: ASTM E415

Hoke Internal
Heat Control No. <i>A 908</i>
Hoke Part No. <i>183CT 1566</i>
Item No. <i>37433 K4 11/1/09</i>

**CERTIFICATIONS CHECKED
TO SPECIFICATION BY
HOKE Q. C. DEPT.**

K4 10/2/09

Respectfully Submitted



Testing Certs 2335.01, 2335.02 and 2335.03
Information and statements in this report are derived from material, information and/or specifications furnished by the client and exclude any expressed or implied warranties as to the fitness of the material tested or analyzed for any particular purpose or use. The analysis reported on this certification has been performed in accordance with QAI-4th Edition Rev. 3 Dated 11/3/09 and related procedures. All standards and specifications are the total responsibility in effect at the time of testing, unless otherwise stated. This report shall not be reproduced except in full, without written approval of this laboratory. The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law Title 18, Chapter 47. Sample remnants are held for a minimum of 30 days following issuance of test results, at which point they will be discarded unless notified in writing by the client.

Karen Allen
Karen Allen
Quality Administrator



CERTIFICATE

Quality-Assurance System

acc. to European Directive 97/23/EC

Certificate No.: 01 202 USA/Q-08 7928

Name and address of manufacturer: **Hoke, Inc.
405 Centura Court
Spartanburg, SC 29303**

The TÜV CERT Certification Body for Pressure Equipment hereby certifies that the above - mentioned manufacturer operates a quality system according to the European Directive 97/23/EC. The manufacturer has the permission to affix the following CE marking to pressure equipment described and manufactured in accordance to the scope covered by this Quality-Assurance System:

CE 0035

Approved acc. to Directive 97/23/EC: **QA-System (Module D)**
The QS-Modules E1, E and D1 of the Directive are performed by Module D

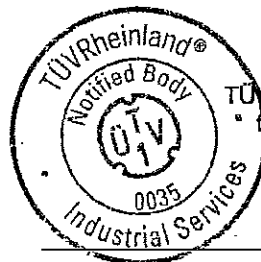
Audit Report No.: **USA/Q-08 7928**

Scope: **Manufacture of fittings, sampling cylinders and valves**

Plant: **Hoke, Inc.
405 Centura Court
Spartanburg, SC 29303**

Valid until: **April 2011**

Cologne, April 25, 2008



TÜV CERT-Certification Body
for Pressure Equipment

Dr.-Ing. Wichert

Notified Body, ID-No. 0035

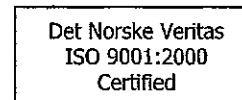
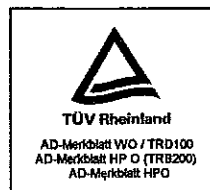
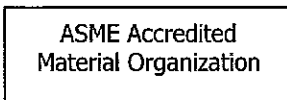
TÜV Rheinland Industrie
Service GmbH
Am Grauen Stein
51105 Köln

Tel. ++49-221/806-0
Fax ++49-221/806-1354
e-mail tuevat@de.tuv.com

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE



405 Centura Court – P.O. Box 4866 – Spartanburg, S.C. – (864) 574-7966 – Fax: (864) 587-5608

**Declaration of Conformity
According to Directive 1999/36/EC For Transportable Pressure
Equipment and Pressure Equipment Directive 1997/23/EC**

HOKE Inc. herewith declares that the transportable pressure equipment

Description:	Seamless Cylinders
Year of Manufacture:	2008
Type, Serial, Identification No:	Transportable Pressure Vessel Model/Part Number of Pressure Vessel: 4, 6 & 8 HS 150-CE, 300, 500, 1000, 2250, 3000- CE 4, 6, & 8 HD 150, 300, 500, 1000, 2250. 3000, 1G, 2.5G - CE 4, 6 & 8 LD 150,300, 500, 1000, 2250, 3000-CE
Max Allowable Working Pressure (PS):	125 Bar (HS and HD Series) 27.6 Bar (LD Series)
Min/Max Allowable Temperature (TS)	-50/+50 °C
Volume (V):	0, 15 to 15,142 L
Test Pressure (PT):	HS/HD Series 186 Bar LD Series 41.4 Bar
Pressure Test Medium:	Water (H ₂ O)
Fluid-Gas Group	1

Corresponds to Transportable Pressure Directive 1999/36/EC

Applied Conformity Assessment Procedures:	Module B + D
Applied Standards and Technical Specifications:	1999/36/EC
Other Applied EC Directives:	EN 1964-3

**Engaged Notified Body
Inspections**

TÜV Rheinland Industrie Service GmbH
Am Grauen Stein
Cologne, Germany

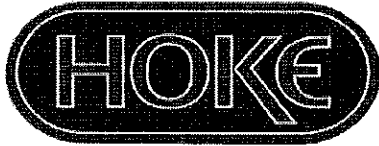
π 0035

**EC-Type Examination Certificate No:
Surveillance of QS System:**

**D-ZLS-0035-014/02
01-202 USA/Q-08 7928 (TPED/PED)**

Dated: July 31, 2008

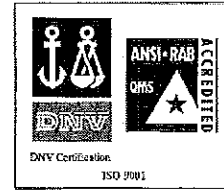
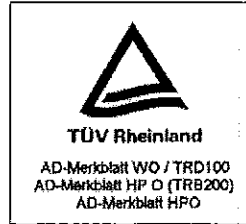
**Circor Instrumentation Technologies
DBA: Hoke Incorporated**



A division of CIRCOR International, Inc. ®

GO REGULATOR, INC.
A division of CIRCOR International, Inc.

ASME Accredited
Material Organization



405 Centura Court • P.O. Box 4866 • Spartanburg, SC 29305 • (864) 574-7966 • Fax: (864) 587-5615

March 20, 2003

Statement of Conformity

Transportable Pressure Equipment Directive 1999/36/EC

To Whom It May Concern:

In accordance with the requirements of **Transportable Pressure Equipment Directive 1999/36/EC**, and **EC-Type Examination (Module B)**, **Test Report # 111-Mü/Ba** dated **January 09, 2003**, Hoke Incorporated, Spartanburg, SC USA does hereby certify that the types of seamless sample cylinders made of stainless steel have been accepted to the requirements of EN-1964-3: 2000 and fully meet the requirements of the Directive 1999/36/EC.

Drawing No: (Type):(**):	6 HS 150-CE	8 HD 2250-CE	8 HD 4G-CE
	6 HS 300-CE	8 HD 3000-CE	8 LD 1000-CE
	6 HS 500-CE	8 HD 1G-CE	8 LD 2250-CE
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(**) Variable end connections in size 4, 6 and 8 as applicable in each series

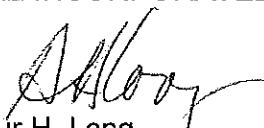
In this regard, **Notified Body ID No. 0035, TÜV Anlagentechnik GmbH, Am Grauen Stein, 51105 Cologne Germany** have issued **EC Type Examination Certificate No. D-ZLS-0035-014/02**, and **Conformity to Type (Module C1) Certificate No. D-ZLS-0035-015/02**, valid until **December 31, 2012** to Hoke Incorporated, on March 04, 2003, Authoritative German Certificate shall remain on file at Hoke Incorporated, 405 Centura Court, Spartanburg, South Carolina-USA and shall be available for review upon request. As authorized by above listed Certificates of approval, all herein approved transportable pressure vessels shall bear the TPED Mark of Conformity thus:

π 0035

This statement of Conformity shall remain a part of the Technical Documentation file consisting of engineering drawings, Design Calculations, Certificates of Approval and any other pertinent data concerning this TPED 1999/36/EC approval for the herein stated transportable pressure vessels for the period specified in said certificate, on file at Hoke Incorporated and shall be available for review upon request.

Please contact Mr. Arthur H. Long, Telephone +864.574.7966, Ext 1173, Fax +864.587.5615 should any question arise.

HOKE INCORPORATED


Arthur H. Long
Director, Corporate Quality Assurance



ASME Accredited
Material Organization



TÜV-Rheinland of
North America
ISO 9001:2000
Certified

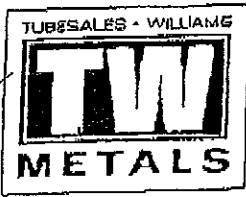
405 Centura Court • P.O. Box 4866 • Spartanburg, SC 29305 • (864) 574-7966 • Fax: (864) 595-5163

Hydrostatic Test Report For CE Cylinder Registration Type Approval 0035-014/02

Customer:	Hoke Part no.: 8HD1G-CE
Purchase order no.:	Hoke Manufacturing Order no: 1349017
Quantity: 25 PCS	Volume Capacity: 3850 ML
Test Pressure: 186 BAR(2700 PSIG)	Test Duration: 3 MINUTE

Production Year / Serial No.	Test Date	Heat Code	Results Pass/Fail
09V0102	12/18/09	A908	PASS
09V0103	12/18/09	A908	PASS
09V0104	12/18/09	A908	PASS
09V0105	12/18/09	A908	PASS
09V0106	12/18/09	A908	PASS
09V0107	12/18/09	A908	PASS
09V0108	12/18/09	A908	PASS
09V0109	12/18/09	A908	PASS
09V0110	12/18/09	A908	PASS
09V0111	12/18/09	A908	PASS
09V0112	12/18/09	A908	PASS
09V0113	12/18/09	A908	PASS
09V0114	12/18/09	A908	PASS
09V0115	12/18/09	A908	PASS
09V0116	12/18/09	A908	PASS
09V0117	12/18/09	A908	PASS
09V0118	12/18/09	A908	PASS
09V0119	12/18/09	A908	PASS
09V0120	12/18/09	A908	PASS
09V0121	12/18/09	A908	PASS
09V0122	12/18/09	A908	PASS
09V0123	12/18/09	A908	PASS
09V0124	12/18/09	A908	PASS
09V0125	12/18/09	A908	PASS
09V0126	12/18/09	A908	PASS

Wayne Krause
Quality Manager



CERTIFICATIONS

FRAUD AND FALSIFICATION STATEMENT

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Customer Name: Hoke Inc.

Purchase order No 752038 ✓

Item number 38747 Shipper/Invoice No... 20109412

Material SMCS 304 Specification A-312 ✓

Manufacturing Mill Tubacex

Size 3/2 sch 40 Heat/Lot NO.. 37433 ✓

Part No: 183CT1566 ✓ Quantity 41.583' ✓

Manufacturer Tubacex

BY [Signature]
TEST DEPARTMENT CLERK
RANDY VOGELI - QA COORDINATOR

Hoke Internal
Heat Control No. A908
Hoke Part No. 183CT1566
Heat No. 37433 ✓ 10/2/09

CERTIFICATIONS CHECKED
TO SPECIFICATION ✓
HOKE O. C. DEPT RVT
10/2/09

49196811



T.T.I. - Tubacex Tubos Inoxidables, S.A.

Registro Mercantil de Atocha, Tomo 287, Folio 169, Hoja VI 2885 - I.S.C.F. A-0140927

Printed on:
25.10.2006

INSPECTION CERTIFICATE

EN 10204 3.1

Number: 384442
Page: 1/1

Rev: 0

Date: 25.10.2006

25.10.2006

CUSTOMER : GLOBAL STAINLESS SUPPLY INC PO 14699
 STANDARD : ASTM-ASME A/SA312 + A-SA376 ED.04 ADD.05
 ADDIT.SPECS : NACE MR01.75-03
 GRADE : TP304-304L
 DIMENSIONS : 3.1/2" SCH 40 S
 MATERIAL : SEAMLESS STAINLESS STEEL TUBE
 HOT FINISHED; PASSIVATED;
 PLAIN ENDS SQUARE CUT;

OUR REFERENCE: JB407

36583

ITEM	HEAT NR.	NO. OF PIECES	WEIGHT KG	TOTAL LENGTH	UNIT LENGTH
YOUR	11	37433	9	847	189,34
					20' - 24'

RAW MATERIAL
 MELTING PROCESS: ELECTRIC FURNACE + A.O.D FROM: ACERALAVA
 PEELD BARS; MACROETCH TESTING: GOOD;

(1)	C	Mn	Si	P	S	Ni	Cr	Mo	Cu	V	Ti	Nb
L 37433	0,014	1,45	0,360	0,025	0,0010	10,20	18,16	0,32	0,28	0,047	0,003	0,015
C 37433	0,015	1,45	0,350	0,025	0,0010	10,20	18,20	0,33	0,28	0,048	0,003	0,020
	W	Co	N									
L 37433	0,010	0,070	0,0645									
C 37433	0,010	0,070	0,0650									

(1) L: LADLE; C: PRODUCT

HEAT TREATMENT
 SOLUTION ANNEALED 1040 °C RAPIDLY COOLED

NR.	NR.	T(°C)	TENSION		IMPACT TESTS		HARDNESS		
HEAT	TEST		RM	RP 0,2	A	Z	T(°C) MINIMUM	AVERAGE	HRB
37433	608933	20	52,8	54,1	68,9	45,0			88 89

FLATTENING TEST: GOOD

TECHNOLOGICALS

METALLURGICAL TEST
 INTERGRANULAR CORROSION: A 262 PRACT"E" / 5 TESTS ACC. MIL-P-1144D+24691/3 NOT OBJECTIONS

NON DESTRUCTIVE TEST
 100 % HYDROSTATIC PRESSURE TESTED AT 1700 PSI , DURING 5 SEC. GOOD
 STEEL GRADE CHECKING ON EACH TUBE BY SPECTROMETRY (PMI)
 DIMENSIONAL CHECKING ON EACH TUBE, SATISFACTORY
 VISUAL INSPECTION ON EACH TUBE, SATISFACTORY

MARKS
 TUBACEX ASTM-ASME A-SA 312 TP304-304L A-SA 376 TP304 3.1/2" SCH 40S
 SMLS 1700 PSI HEAT/.37433. 810 PMI SPAIN P.O. 4699

REMARKS
 NO WELD REPAIR WAS PERFORMED
 NO MERCURY, MERCURY COMPOUNDS OR MERCURY BEARING INSTRUMENTS AND/OR EQUIPMENT HAVE BEEN USED ALONG MANUFACTURING AND INSPECTION PROCESS.

TW METALS REPORTS
 TEST JUN 24 2008
 RRV

ACCEPTED BY

Signature

Hoko Internal
 Heat Control No. A-908
 Hoko Part No. 183CT 1566
 Hoko No. 37433
 Kyt 10/2/09

CERTIFICATION CHECKED
 TO SPECIFICATION BY
 HOKO O.C.D.P.P.
 Kyt 10/2/09



We hereby certify that the material herein described has been manufactured, stored, handled and supplied in accordance with above standards and specifications set forth in the user's requirements.
 This certificate is issued by a computerized system and it is valid without manual signature.
 In case the user of the certificate wishes to obtain a copy of it, he must send us a copy to the issuer, assuming the responsibility for its use in accordance with T.T.I.S.A. and its conditions.
 Any copy or falsification of this certificate will be legally prosecuted.

Signature

9/25/2009

Material Testing and Non-Destructive Testing

STEVEN WILLIAMS
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USA

Telephone : (704) 588-1131
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Website : www.storksmt.com/herron-charlotte

P.O. No.: 20109412

W/O No.: TWM002-09-24-42875-1

TEST REPORT

Description: 1" SMLS 304L 3.5 sch 40 Sample
Heat: 37433 ✓
Order Number: 20109412

304L

Element	=	Result %	Min %	Max %
C	=	0.018 ✓	0.000	0.030
Mn	=	1.46 ✓	0.00	2.00
P	=	0.026 ✓	0.000	0.045
S	=	0.011 ✓	0.000	0.030
Si	=	0.38 ✓	0.00	1.00
Cr	=	18.07 ✓	18.00	20.00
Ni	=	10.48 ✓	8.00	12.00
Mo	=	0.32	0.00	NS
Cu	=	0.29	0.00	NS
Fe	=	Balance	Balance	Balance

TEST METHOD: ASTM E415

Hoke Internal
Heat Control No. A 908
Hoke Part No. 183 C.T. 1566
Item No. 37433 4 11/2/09

**CERTIFICATIONS CHECKED
TO SPECIFICATION BY
HOKE Q. C. DEPT.**

KSA 10/2/09

Respectfully Submitted



Testing Cert # 2335.01, 2336.02 and 2335.03
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Karen Allen
Karen Allen
Quality Administrator