PRI Registrar

Certificate of Registration

www.pri-network.org

This is to certify that

Steel Industries, Inc.

Main Office - Plant 1
12600 Beech Daly Road
Redford, Michigan 48239

Plant 2
12607 Beech Daly Road
Redford, Michigan 48239

Plant 3
12600 Norborne
Redford, Michigan 48239

Plant 4
26555 Fullerton Road
Redford, Michigan 48239

Prince Industries - Plant 5
33100 Capitol Street
Livonia, Michigan 48150

is registered in recognition of a quality management system demonstrated in conformance with

ISO 9001:2000.

Scope of Registration:

Custom Open Die Press and Seamless Rolled Ring Forgings of Ferrous (Carbon, Alloy, Tool, & Stainless Steels), Non-Ferrous (Aluminum, Titanium, Nickel, and Copper Alloys) and other Aerospace Alloys. Including in-house Heat Treating and Machining.
Excluded are elements 7.3 Design and 7.5 as it Applies to Service.

ANAB ACCREDITED

Number: 06-0802
Issued: 1/17/2007
Re-Issued: 11/6/2008
Expires: 1/17/2010

William G. Wagner, Vice President and General Manager

041657

Nadcap

In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

Steel Industries Inc

12600 Beech Daly Road
Redford Township, Michigan 48239-2455

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturer's List (QML), to the revision in effect at the time of the audit for:

Aerospace Quality System (AC7004)

Expiration Date: October 31, 2011
Certificate No. 125167
Issued: July 18, 2008

William G. Wagner, Managing Director

Performance Review Institute (PRI) 161 Thorn Hill Road Warrendale, PA 15086-7527

Nadcap
Administered by PRI

SCOPE OF COMPLIANCE

Aerospace Quality Systems

Accreditation Date: July 18, 2008
Expiration Date: October 31, 2011

Audit# 125167

Steel Industries Inc
12600 Beech Daly Road
Redford Township, Michigan 48239-2455

Jeffrey Cerbie - Director of Q & T

In recognition of the successful completion of the PRI evaluation process, this facility is deemed compliant to:

AC7004 Rev D Nadcap Audit Criteria for Inspection and Test Quality System

Nadcap

In accordance with SAE Aerospace Standard AS7003, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Management Council to:

Steel Industries Inc

12600 Beech Daly Road
Redford Township, Michigan 48239-2455

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturer's List (QML), to the revision in effect at the time of the audit for:

Heat Treating

Expiration Date: October 31, 2009
Certificate No. 125057
Issued: July 18, 2008

William G. Wagner, Managing Director

Performance Review Institute (PRI) 161 Thorn Hill Road Warrendale, PA 15086-7527

Nadcap
Administered by PRI

SCOPE OF ACCREDITATION
Heat Treating

Accreditation Date: July 18, 2008
Expiration Date: October 31, 2009

Audit# 125057
Certificate# 125057

Steel Industries Inc
12600 Beech Daly Road
Redford Township, Michigan 48239-2455

Jeffrey Cerbie - Director of Q & T

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

AC7102 Rev D - Nadcap Audit Criteria for Heat Treating
Aluminum Alloys – AC7102/2 must also be selected

AC7102/2 Rev A - Nadcap Audit Criteria for Aluminum Heat Treating
Aluminum Alloys- AMS 2770
Aluminum Alloys- AMS 2772
Aluminum Alloys- AMS-H-6088
Aluminum Alloys- Customer Specs

AC7102/S Nadcap Supplemental Audit Criteria for Heat Treating
U11 - The Boeing Company

AC7101/5 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Hardness
(M1)Brinell Hardness

CERTIFICATE OF APPROVAL

Quality Assurance System for Material Manufacturer

Name and Address of Manufacturer:

Steel Industries Inc
12600 Beech Daly Road
Redford Township, MI 48239
USA

We herby certify that the above named material manufacturer has established and applies a Quality Management System and has undergone a Specific Assessment for Materials according to:

The European Pressure Equipment Directive 97/23/EC; Annex 1 § 4.3.

for:

Custom Open Die Press and Seamless Rolled Ring Forgings of Ferrous (Carbon, Alloy, Tool & Stainless Steels) Non-Ferrous (Aluminium, Titanium, Nickel and Copper Alloys) and other Aerospace Alloys including associated heat treatments.

For scope of materials covered by this certificate see attached page(s).

This certificate is valid until the expiry date indicated below subject to satisfactory surveillance by Bureau Veritas authorised personnel.

Audit No: ***2025-HST-08*** *Certificate No:* **CE /0041/PED–MM–SII-001-08-USA**

Date Issued: ***16 August 2008*** *Expiry date:* ***15 August 2011***

Issued at: Manchester, United Kingdom

Signed by:

Technical Manager

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BUREAU VERITAS

Certificate No: ***CE-0041-PED –MM-SII-001-USA-08***

Materials covered by this certificate:

Designation of Product	Reference Standard	Comments
Carbon Steels	ASTM, API, AMS, Customer	
Alloy Steels	ASTM, API, AMS, Customer	
40XX, 41XX, 43XX, 86XX, 87XX, 93XX, 52100		
Tool Steels	ASTM, Customer	
A, D, H, L, S, & M		
Stainless Steels	ASTM, AMS, Customer	
Austenitic, Martensitic, Duplex, Precipitation Hardening, Ferritic		
Aluminium	ASTM, AMS, Customer	
6XXX, 2XXX, 7XXX in the F, O, O1, T4, T6, T8, T73, T74, TX51, TX52 tempers		
Nickel & other super alloys	ASTM, AMS, Customer	
Titanium	ASTM, AMS, Customer	
Customer conversion of various grades of commercially pure		
Copper	ASTM, AMS, Customer	
Various		
SEE ATTACHED FORGING INVENTORY LISTING FOR SPECIFIC GRADES		

Forging Inventory

Carbon & Alloy Steels
1018
1020
1030
1045
3310
4130
4130 AQ
4140 / 4140H
4140 AQ
4150
4150 AQ
4320
4330 MOD
4330 MOD VAR
4340 / 4340H
4340 AQ
4340 VAR
300M VAR
52100 / 52100-2
8620
8620 AQ
8630 / 8630H
8640 / 8640H
9310 VAR
A105
A182F11 / A182F12
A182F22
A182F5 / A182F5A
A182F9
A182F91
A266CL2 / A266CL4
A350LF2
A350LF6
A694
NIT135 MOD

Stainless
13Cr-8Ni VIM/VAR
15Cr-5Ni VAR
17Cr-4Ni
303
304 / 304H / 304L
310
316 / 316H / 316L
317 / 317L
321 / 321H
330
347 / 347H
403
405
409
410 (A182F6A)
416
420 / 420VAR
422 / 422ESR / 422VAR
430
431
440C / 440C VAR
904L
A182F44 (254SMO)
A182F51 / F60 (2205)
A182F53
A182F55
A182F6NM
NITRONIC 50
NITRONIC 60

Tools Steels
A-2
A-6
A-9
A-10
D-2
D-3
D-5
H-13
L-6 (4370)
S-7

High Speed
M-2

Nickel / High Temp
625 ESR
718 / 718T
825
ALLOY 800

Aluminum
2014 / 2214
2024 /2224
2219 / 2419
5083
6061
7050
7075 / 7175

Special Grades
1008 VAR (C.E.I.)
ALLROLL HC
AHT28 (EN30B)