



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:

***Heligear Acquisition Co. d/b/a Northstar Aerospace
(Chicago) Inc.***

*6006 W 73rd St
Bedford Park, IL 60638-6106
United States*

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

Heat Treating

Certificate Number: 4299156034
Expiration Date: 31 October 2015

*Joseph G. Pinto
Vice President and Chief Operating Officer*



SCOPE OF ACCREDITATION

Heat Treating

Heligear Acquisition Co. d/b/a Northstar Aerospace (Chicago) Inc.

6006 W 73rd St

Bedford Park, IL 60638-6106

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: www.eAuditNet.com - Online QML (Qualified Manufacturer Listing).

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

**AC7101/4 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories -
Metallography and Microindentation Hardness**

(L) Metallography (General)

ASTM E 3

ASTM E 407

(L1) Microindentation (Interior)

ASTM E 384

(L10) Near Surface Examinations – Carburization

(L5) Near Surface Examinations – Microindentation (Surface)

ASTM E 384

(L6) Near Surface Examinations – Nitriding

(L7) Near Surface Examinations – IGA, IGO

(LS) Micro: Surface Conditions

**AC7102 Rev G - Nadcap Audit Criteria for Heat Treating (to be used BEFORE 11
May 2014)**

Carburizing – AC7102/3 must also be selected

Steels – Customer Specs

AC7102S Rev E - Nadcap Supplemental Audit Criteria for Heat Treating

U11 The Boeing Company

**AC7102/3 Rev B - Nadcap Audit Criteria for Carburizing to be used BEFORE 16
March 2014**

Carburizing – Customer Specs

**AC7102/5 Rev C - Nadcap Audit Criteria for Hardness and/or Conductivity Testing
for Heat Treating**

Hardness – Rockwell

ASTM E 18