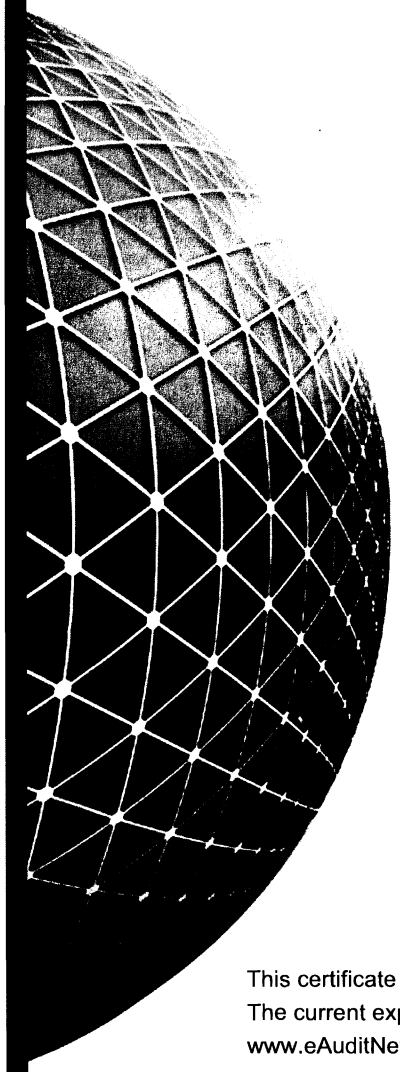

Nadcap

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:

Westmoreland Mechanical Testing*

Westmoreland Dr
Youngstown, PA 15696

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:

Materials Testing

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)

Certified since: 20 October 1993

William G. Wagner, Vice President and General Manager

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

Nadcap
Administered by PRI

SCOPE OF ACCREDITATION
Materials Testing

Westmoreland Mechanical Testing*
Westmoreland Dr
Youngstown, PA 15696

Michael Self - QA Manager

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:

AC7101/1 Rev C - Nadcap Audit Criteria for Materials Testing Laboratories - General Requirements for All Laboratories

AC7101/2 Rev B - Nadcap Audit Criteria for Materials Test Laboratories - Chemical Testing
(F2)Atomic Emission Spectroscopy - Inductively Coupled Plasma (ICP)
(F3)Atomic Emission Spectroscopy - Spark/Arc (OES)
(G1)Elemental Analysis - Carbon
(G2)Elemental Analysis - Hydrogen
(G3)Elemental Analysis - Nitrogen
(G4)Elemental Analysis - Oxygen
(G5)Elemental Analysis - Sulfur
(W2)Atomic Absorption - Graphite Furnace
Al Base
Co Base
Cu Base
Fe Base, High Alloy
Fe Base, Low Alloy
Mg Base
Ni Base
Ti Base

AC7101/3 Rev B - Nadcap Audit Criteria for Materials Test Laboratories - Mechanical Testing
(A)Room Temperature Tensile
(B)Elevated Temperature Tensile
(C)Stress Rupture

(N)Impact
(O)High Cycle Fatigue
(P)Fracture Toughness
(XA)Creep
(XE)Crack Propagation Measurement
(XH)Cyclic Rupture
(XN)Bend Testing
(Y)Low Cycle Fatigue

AC7101/4 Rev C - Nadcap Audit Criteria for Materials Testing Laboratories - Metallography and Microhardness
(L)Metallography (General)
(L1)Microhardness
(L2)Near Surface Examinations - Alloy Depletion
(L3)Near Surface Examinations - Oxidation
(L4)Near Surface Examinations - Casting Mold Reactions
(L5)Near Surface Examinations - Microhardness
(L6)Near Surface Examinations - Diffusion Coatings
(L7)Near Surface Examinations - IGA/IGO
(L8)Near Surface Examinations - Alpha Case: Wrought
(L9)Near Surface Examinations - Alpha Case: Castings
(XL)Metallography (Macro)

AC7101/5 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Hardness
(M1)Brinell Hardness
(M2)Rockwell Hardness
(M3)Vickers Hardness

AC7101/6 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Corrosion
(Q)Corrosion (General)
(Q1) Stress Corrosion

AC7101/7 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Mechanical Testing Specimen Preparation
(Z)Standard Specimen Machining
(Z1)Low Stress Grinding
(Z2)Low Stress Grinding and Polishing
(Z3)Cast Specimens

Nadcap
Administered by PRI

AC7101/9 Rev A - Nadcap Audit Criteria for Materials Test Laboratories - Heat Treating
(XG) Heat Treating