



*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  
United States*

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

## ***Materials Testing***

Certificate Number: 3445138467  
Expiration Date: 30 April 2013

A handwritten signature in black ink, appearing to read "Joseph G. Pinto".

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

## **SCOPE OF ACCREDITATION Materials Testing**

### **Westmoreland Mechanical Testing\***

Westmoreland Dr  
Youngstown, PA 15696

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://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 D - Nadcap Audit Criteria for Materials Testing Laboratories - General Requirements for All Laboratories (to be used before 28 August, 2011)**

#### **AC7101/2 Rev B - Nadcap Audit Criteria for Materials Test Laboratories - Chemical Testing (to be used before 28 August, 2011)**

(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 (to be used before 28 August, 2011)**

(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 (to be used before 28 August, 2011)**

- (L)Metallography (General)
- (L1)Microhardness
- (L10)Other
- (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 (to be used before 28 August, 2011)**

- (M1)Brinell Hardness
- (M2)Rockwell Hardness
- (M3)Vickers Hardness

**AC7101/6 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Corrosion (to be used before 28 August, 2011)**

- (Q)Corrosion (General)
- (Q1) Stress Corrosion

**AC7101/7 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Mechanical Testing Specimen Preparation (to be used before 28 August, 2011)**

- (Z)Standard Specimen Machining
- (Z1)Low Stress Grinding
- (Z2)Low Stress Grinding and Polishing
- (Z3)Cast Specimens
- (Z4)Special Preparation

**AC7101/9 Rev A - Nadcap Audit Criteria for Materials Test Laboratories - Heat Treating (to be used before 28 August, 2011)**

- (XG) Heat Treating

**ISO/IEC - Currently accredited by an ILAC approved source**

**Lab Type - Lab Type**

Independent