

# ROLLS-ROYCE plc

## COMPRESSORS

*Expires: October 31, 2010*



Prime Users Holding  
Nadcap User Compliance and Audit Program  
(NUCAP)  
Certificate & Scope of Approval



November 13, 2009

Jon Biddulph  
Rolls-Royce plc - Compressors  
PO Box 31  
Elton Road ELT 18  
Derby DE24 8BJ  
UNITED KINGDOM

Dear Mr. Biddulph:

Your facility has been approved for NUCAP. Please note that your NUCAP certificate is valid until **October 31, 2010**. Accordingly, we have enclosed your certificate(s) of approval, your scope of approval, and logo sheet.

**Please note that if any changes occur within your company (i.e., ownership, key managerial staff, equipment, company name, quality manager, address, etc.) that may affect your capability or scope of approved activities, you are required to notify PRI Staff by completing the "Notification of Change/Request for Revised Certification" form located in [eAuditNet.com/Resources/Public Documents/General Documents](http://eAuditNet.com/Resources/Public/Documents/General Documents), immediately.**

We would like to congratulate you on your achievement in meeting the stringent requirements of NUCAP Approval.

If you have any questions concerning the NUCAP Process, please contact PRI Headquarters at (724)772-8660.

Sincerely,

A handwritten signature in black ink that reads "Lisa Shultz". The signature is written in a cursive, flowing style.

Lisa Shultz  
Prime Support Engineer  
Industry Managed Programs, Research & Development

LS/emm  
Enclosures  
Certificate(s)  
Scope of Approval  
Logo Sheet



*In accordance with Program Document PD3000, to the revision in effect at the time of the audit, this certificate is granted and awarded by the authority of the Nadcap Users Compliance and Audit Program (NUCAP) Management Council to:*

**ROLLS-ROYCE plc**

**Compressors**

*at*

*See Attached Supplement*

*They have demonstrated conformance and are awarded approval for specific services, listed in the Scope of Approval to the revision in effect at the time of the audit for:*

***Chemical Processing, Coatings, Heat Treating, Nonconventional Machining,  
Non-Destructive Testing, Surface Enhancement and Welding***

*Expiration Date: October 31, 2010  
Certificate Number: 128274-C  
Issue Date: November 13, 2009*

A handwritten signature in black ink, appearing to read "W. G. Wagner". The signature is written in a cursive style and is positioned above a horizontal line.

*William G. Wagner, Vice President and General Manager*



## SCOPE OF APPROVAL NUCAP

Approval Date: November 13, 2009  
Expiration Date: October 31, 2010

Audit #134056  
Certificate #134056-C

### ROLLS-ROYCE PLC COMPRESSORS

Inchinnan  
Inchinnan Drive  
Inchinnan Renfrewshire PA4 9AF  
UNITED KINGDOM

**Chemical Processing, Coatings, Heat Treating,  
Nonconventional Machining, Non-Destructive Testing,  
Surface Enhancement and Welding**

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

#### **Chemical Processing (AC7108) – Audit #130124**

- AC7108 - Chemical Cleaning: Alkaline, Solvent, Titanium (Acid, Alkaline)  
Chemical Milling: Customer Specification  
Plating: Nickel (Customer Specification), Silver (Customer Specification)  
Stripping: Customer Specification
- AC7108/1 - Paint/Dry Film Coatings: Paint - Customer Specification
- AC7108/2 - Etching: Pre-Penetrant, Customer Specification

#### **Coatings (AC7109) – Audit #130127**

- AC7109/1 - Thermal Spray: Oxy-Fuel Wire Spray, Oxy/Fuel Powder Spray, Plasma  
Thermal Spray
- AC7109/4 - Stripping: Grit Blast
- AC7109/5 - Coating Evaluation Laboratory Practices:
  - Hardness: Rockwell
  - Metallography
  - Microhardness – Vickers
  - Specimen Preparation

**Heat Treating (AC7102) – Audit #130128**

- AC7102 - Nickel and Cobalt Alloys: Customer Specifications  
Plating  
Stainless Steels: Customer Specifications  
Stainless and PH Stainless Steels: Customer Specifications  
Titanium Alloys: Customer Specifications  
Vacuum Heat Treating: Customer Specifications
- AC7102/1 - Vacuum Furnace Brazing
- AC7102/5 - Hardness:
  - (M1) Brinell Hardness
  - (M2) Rockwell Hardness
- AC7101/3 - Mechanical Testing:
  - (A) RT Tensile Testing
- AC7101/4 - Metallography and Microhardness:
  - (L) Metallography (General)
  - (L8) Near Surface Examinations – Alpha Case: Wrought
- AC7102S - Supplemental Audit Criteria for Heat Treating  
U3 – Rolls-Royce plc

**Nonconventional Machining (AC7116) – Audit #130131**

- AC7116/3 - Electrical Discharge Machining (EDM): Fast Hole, Sinker, Wire

**Non-Destructive Testing (AC7114 / AC7114 S) – Audit #130130**

- AC7114/1 - Liquid Penetrant
- AC7114/1S - S-U3 Rolls-Royce plc
- AC7114/2 - Magnetic Particle
- AC7114/2S - S-U3 Rolls-Royce plc

**Surface Enhancement (AC7117) – Audit #130132**

- AC7117/2 - Automated Peening

**Welding (AC7110) – Audit #130133**

- AC7110/1 - Brazing:
  - Baseline (All Audits)
  - Supplement A – Torch (Additional Requirements)
- AC7110/4 - Resistance Welding:
  - Baseline (All Audits)
  - Spot Welding
  - Supplement G – Chisel Testing (Additional Requirements)

**Welding (AC7110) – Audit # 130133 (Cont'd.)**

AC7110/5 - Fusion Welding:  
Baseline (All Audits)  
Supplement C – Automatic / Semi-automatic (Additional Requirements)  
Supplement F – Filler Material (Additional Requirements)  
Supplement G – Processes Using Gas (For example GTAW, PAW)  
(Additional Requirements)  
Supplement J – Tack Welding (Additional Requirements)  
Supplement M – Filler Material Approved Sources (Additional  
Requirements)  
Supplement N – Gas Contamination at Point of Use (Additional  
Requirements)

AC7110/12 - Welder/Welding Operator Qualification:  
Baseline (All Audits)

AC7110/13 - Metallographic Evaluation of Welds:  
Supplement A - Evaluation of Welder / Welding Operator Qualifications  
Supplement B – Evaluation of Fusion Welds  
Supplement D – Evaluation of Resistance Welds