Audit AU2009057

931501 Element Mtrl Techn. Tees (LAB)

Audit type: System / External Lab
Audit trigger: Follow up
Unplanned: 

Status: Signature Provided
Planned date: 2018-07-10 00:00 to 2018-07-10 00:00
Date: 2018-07-10 00:00 to 2018-07-10 00:00

Audit result
Rating: Approved/Godkänd

This Document contains no Technical data

Persons involved

<table>
<thead>
<tr>
<th>Role</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Auditor</td>
<td>Jonas Reimer</td>
</tr>
<tr>
<td>Approver</td>
<td>Per Rehndell</td>
</tr>
<tr>
<td>Engineering</td>
<td>Joakim Skoog</td>
</tr>
<tr>
<td>Auditor</td>
<td>Anders Nilsson</td>
</tr>
</tbody>
</table>

Audit Report

Distribution list
GKN Aerospace Sweden AB (GAS) Supplier Portal (GKN Aerospace Sweden AB approved Laboratories)

Background
The system concerning GKN Aerospace, Sweden (GAS) designed products requires Method Approval from GAS for laboratories performing material testing or testing to verify requirements per the method standard VOLS:10071573: Control of Materials and Methods.

GKN Aerospace Auditor
GKN Aerospace Quality Manager

Purchasing
Engineering

GKN Aerospace Sweden AB
SE-461 81 Trollhättan
Sweden
Telephone
Switchboard
Int +46 520 940 00
All Laboratories must be listed in the database for Nadcap approvals or have an ISO 17025 approval for the scope which is used on the GAS parts. Ref. Standard VOLS:10071573: Control of Materials and Methods.

Time
The audit has been performed 2018-07-10

Address:
Element Materials Technology Teesside
Holwick Road
Riverside Park
Middlesbrough TS2 1QS
United Kingdom.

previously called:
Exova Ltd
Holwick Road
Riverside Park
Middlesbrough TS2 1QS
United Kingdom

Lead Auditor
Jonas Reimer
Auditor
Anders Nilsson

Participant of the supplier.
This audit is an approval based on certification.

Audited requirements
Standard VOLS:10071573: Control of Materials and Methods

Non Conformance

Conclusion
The scope of accreditation to ISO/IEC 17025:2005 (UKAS No. 0038 issue. 056) for Element Materials Tech. Teesside and Nadcap approval with exp date 2018-07-31, has been reviewed. Element Materials Tech. Teesside is approved for work in below Nadcap process codes on GAS designed products controlled by GAS specification VOLS:10071573 (Control of Materials and Methods).

Materials Testing (MTL)

Mechanical Testing
XN, A, B, N

Mechanic. Test. Specimen prep.
Z, Z3, Z4

Chemistry
G2, F2, F3, S, G1, G5, G4, G3
Ti Base, Fe Base, Ni Base, Co Base, Al base

Hardness testing
M1, M2, M3
Metallography and Microhardness
L0, L1, L2, L5, L7, XL, L10, L11, L12, L13

Corrosion testing
Q1

Evaluation of welds:

Suppl. A, Metallurgical evaluation of welder/welding operator qualification
Suppl. B, Metallurgical evaluation of fusion welds
Suppl. E, Bend test of welder/welding operator qualification
Suppl. E, Bend test evaluation of fusion welds

- Bend, CTOD, fracture, hardness, impact, tensile micro and macro-examination.

Based on this data and information we have discussed the potential risks and can recommend Element Materials Technology Teesside as Approved Supplier to GKN Aerospace, Sweden to 2018-09-30.