Audit AU2011627

931052 IMR Test Labs. Inc.

Audit type: System / External Lab
Audit trigger: Follow up
Unplanned: No
Status: Signature Provided
Planned date: 2020.03.24 00:00 to 2020.03.31 00:00
Date: 2020.03.10 00:00 to 2020.03.24 00:00

Audit result
Rating: Approved/Godkänd

This Document contains no Technical data

Persons involved

<table>
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<tr>
<th>Role</th>
<th>Description</th>
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<tr>
<td>Approver</td>
<td>Per Rehnell</td>
</tr>
<tr>
<td>Lead Auditor</td>
<td>Anders Nilsson</td>
</tr>
<tr>
<td>Engineering</td>
<td>Sven Johansson</td>
</tr>
</tbody>
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Audit Report

The system concerning GKN Aerospace Sweden designed products requires Method Approval from GKN Aerospace Sweden (GAS) for laboratories performing material testing or testing to verify requirements per the method standard VOLS:10071573: Control of Materials and Methods. All Laboratories must be listed in the database for Nadcap approvals or have an ISO 17025 approval for the scope which is used on GKN designed parts.


Time
The audit has been performed 2020-03-24.

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SE-461 81 Trollhättan
Sweden

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Audit AU2011627 931052 IMR Test Labs. Inc.

Address
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Lansing Business & Technology Park
131 Woodsedge Drive,
Lansing, New York 14882
United States

Lead Auditor
Anders Nilsson

Previous audits:
AU2005305, 2015.02.19
AU2007705, 2017.02.28
AU2009777, 2018.09.03
AU2010345, 2019.02.11

Participant of the supplier.
This audit has been done without communication with supplier. It is an approval based on certification.

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

Nadcap approvals for IMR Test Labs has been reviewed and are valid until 2022-01-31. In addition, IMR Test Labs holds a 2La accreditation to ISO/IEC 17025:2005 valid to 2020-04-30.

Non Conformance

Conclusion
The Nadcap and ISO 17025 approvals for IMR Test Labs has been reviewed. IMR Test Labs is approved for work in below Nadcap process codes on GKN Aerospace, Sweden designed products controlled by GKN Aerospace, Sweden specification VOLS:10071573 (Control of Materials and Methods).

Materials Testing (MTL)

Mechanical Testing (A, B, C, XN, N)
Mechanical Testing Specimen Preparation (Z, Z1, Z2, Z3, Z4)
Hardness Testing (M1, M2, M3)
Corrosion (Q, Q1)

Metallographic Evaluation of Welds
Suppl. A Metallurgical Evaluation of Welder/Welding Operator Qualifications
Suppl. B Metallurgical Evaluation of fusion welds
Suppl. C Metallurgical Evaluation of electron beam and laser welds
Suppl. D Metallurgical Evaluation of resistance welds
Suppl. E Bend Test Evaluation of welder/welding operator qualification welds
Suppl. F Bend Test Evaluation of fusion welds
Suppl. F Bend Test Evaluation of Welder/welding operator qualification welds

Metallography and Microindentation Hardness L5, L5X, L2, L3, L6, L7, L10, L11, L12, XL, L1, L0)
Chemical Analyses (G4, G5, S, V,F2, F3, G3, G2, G1)
Ni Base, Mg Base, Al Base
Cu Base, Co Base, Ti Base
Fe Base,

Based on this data and information we have discussed the potential risks and can recommend IMR Test Labs for continuation as an Approved Supplier to GKN Aerospace, Sweden to 2021-03-31.

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