

Audit AU2016028

931052 IMR Test Labs. Inc.+ VOLS10066156

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

Status: Signature Provided
Planned date: 2023.05.22 00:00 to 2023.05.22 00:00

Date: 2023.05.22 00:00 to 2023.05.22 00:00

Audit result

Rating: Approved/Godkänd

This Document contains no Technical data

Persons involved

Role	Description
Lead Auditor	Per Rehndell
Approver	Stefan Abrahamsson
Engineering	Sven Johansson
Engineering	Per Haglund

Audit Report

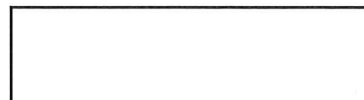
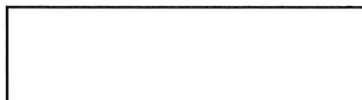
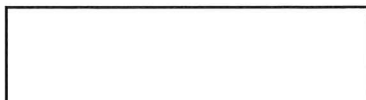
Distribution: 1700, 1720, 9161, 9162

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.
Ref. Standard VOLS:10071573: Control of Materials and Methods.

GKN Aerospace Auditor

~~Purchasing~~ Engineering

GKN Aerospace Quality Manager



Time:

The audit has been performed 2023-05-11.

Address:

IMR Test Labs
Lansing Business & Technology Park
131 Woodsedge Drive,
Lansing, New York 14882
United States

<https://www.imrtest.com>

Lead Auditor:

Per Rehndell

Previous audits:

AU2011627, 2020.03.24
AU2013977 2022-02-11.

Participant of the supplier:

This audit has been done with a communication and a Teams Meeting with IMR Lansing New York . IMR described their internal document for Alpha case evaluation and the processes used. IMR internal document calls out directly the GAS standard VOLS10066156 when the GAS requirements shall be used. The Lab personell works directly in acc with req.in the GAS standard. GKN Sweden(GAS) provided a specimen to be used as a standard . GAS accepted the way IMR will perform the Alpha Case evaluation. VOLS:10066156 will be added to the Scope for IMR Lansing New York US.

Audited requirements:

Standard VOLS:10071573: Control of Materials and Methods

Nadcap approvals for IMR Test Labs has been reviewed and are valid until 2023-08-31.

In addition, MR Test Labs holds an a2La accreditation to ISO/IEC 17025:2017 valid until 2024-04-30.

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).

Scope of Approval:

Materials Testing (MTL)

Mechanical Testing (A, B, C, XN, N)

Mechanical Testing Specimen Preparation (Z, Z1, Z3, Z4)

Hardness Testing (M1, M2,M3)

Corrosion (Q, Q1,Q1-1,Q1-2,Q1-3,Q1-4A)

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. E Bend Test Evaluation of fusion welds

Suppl. E 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 , VOLS:10066156)

Chemical Analyses (G, G1, G2, G3, G4, G5, S, V, F, F2, F3,)

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 2023-09-30.