

Audit AU2017674

931501 Element Teesside (LAB)

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

Status: Signature Provided
Planned date: 2024.11.14 00:00 to 2024.11.14 00:00

Date: 2024.11.14 00:00 to 2024.11.14 00:00

Audit result

Rating: Approved/Godkänd

This Document contains no Technical data

Persons involved

Role	Description
Lead Auditor	Jonas Reimer
Approver	Per Rehndell
Engineering	Sven Johansson
Engineering	Karin Sjövold

Audit Report

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.

All Laboratories must be listed in the database for Nadcap approvals or have an ISO17025 approval for the scope which is used on the GAS parts.

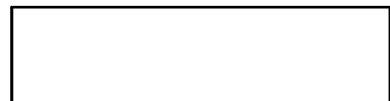
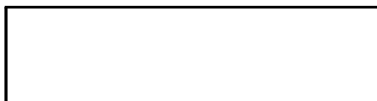
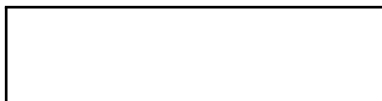
Time :The audit has been performed 2024-11-14

GKN Aerospace Auditor

~~Purchasing~~

Engineering

GKN Aerospace Quality Manager



Address:

Element Materials Technology Teesside
Holwick Road , Middlesbrough TS2 1QS
United Kingdom.

This audit is an approval based on certification.

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

UKAS Accreditation according ISO 17025 issue 074, issue date 2024-01-25 and
expire 2027-10-31

The MTL Nadcap Approval expires: 2025-02-28

Non Conformance

Conclusion

ISO 17025 and Nadcap approvals for Element Materials Technology Teesside has been reviewed. Element Materials Technology Teesside is approved for work in below processes on GKN designed products controlled by GKN specification VOLS:10071573 (Control of Materials and Methods).

ATT: GAS opinion is that some testing must be omitted from the GAS approval (even though included in the Nadcap scope), based upon that no GAS On Site audit has been done which is required for certain Codes (approvals).

Omitted are: L8 & L9

Scope of approval - Materials Testing (MTL)

Mechanical Testing:

XN, A, B, N

Mechanic. Test. Specimen prep. :

Z, Z3, Z4

Heat Treating:

Specimen Heat Treating

Chemistry:

F, F2, F3, S, G, G1, G2, G3, G4, G5

Alloy Base:

Ti Base, Fe Base, Ni Base, Co Base, Al base

Hardness testing:

M1, M2, M3

Metallography and Microindentation hardness:

L0, L1, L2, L5, L7, XL, L10, L11, L12, L13

Corrosion testing:

Q1, Q1-1, Q1-4A

Evaluation of welds:

Suppl. A, Metallurgical evaluation of welder/welding operator qualification

Suppl. B, Metallurgical evaluation of fusion welds

Supplement C Metallurgical Evaluation of electron beam/laser welds

Supplement D Metallurgical Evaluation of resistance welds

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

The ASTM testprocedures below which are ISO17025:2017 approved, are approved for use:

ASTM B822
ASTM B212
ASTM B213
ASTM B214
ASTM B527 (2022)

The MTL Nadcap approval for Element Teesside is valid until 2025-02-28. Also ISO/IEC 17025:2017 approved. Valid until 31 October 2027

Based on this data and information we have discussed the potential risks and can recommend Element Materials Technology Teesside as an Approved Supplier / Lab. to GKN Aerospace Sweden to 2025-03-31 in above defined Scope.