特殊工程認定証 Special Process Certificate



| 会社名 | Element Hartford | 工場名 _ | | 取引先コード _ | 認定証番号 KHI認5587 | |
|----------|--------------------------------------|-------------|--------------------|---------------|-----------------|--|
| Supplier | Element Hartrora | Facility | | Supplier Code | Certificate No. | |
| 所在地 | 80 K imberly Drive, South Windsor CT | 郵便番号 | 宛先 Matthew Fede | ror | 有効期限 2027/4/14 | |
| Address | 06074 | | ATTN Matthew rede | Tei | Expiration Date | |

| 特殊工程 Special Process | | 適用規格 Applicable Specification | | 設備番号 | 作業者/検査員 | 承認範囲制限事項 | 備考 | |
|-------------------------|---|----------------------------------|---------------------------------|---------------|-----------------|---------------------|--------------------------|--|
| 分類記号 Category | | 規格番号 Specification | タイプ / クラス等 Type / Class etc. | Equipment No. | 氏名 Personnel | Remarks/Limitations | Remarks | |
| 1 (P | Pre-Penetrant Etch of Aluminum Alloy | KP-4238 | - | AA-6 | _ | - | PW1100G-JM Parts Only | |

This is to certify that you are approved for the above named process(es) in accordance with the requirements of the above specifications, subject to the limitations in KHI Quality Specification KQ-7201, KQ-7203 and KQ-7222 as applicable. This does not in itself constitute a waiver of specification requirements as to inspection, testing, maintenance of records, and/or other provisions of the Purchase Order/Sub Contract, nor does it guarantee the acceptance of articles produced for KHI. Requirements for the submission and qualification of individual parts/samples or other items as contained in specifications, engineering drawings or Purchase Order will be completed as outlined. Inspection of the facilities for which this certification is granted may be conducted at any time by an KHI representative to determine continued compliance with the requirements.

川崎重工業株式会社 航空宇宙システムカンパニー 航空エンジンディビジョン エンジン生産総括部 エンジン生産技術部 エンジン特殊工程システム課 北郷 雅 Masaru Kitagou Engine Special Process System Section Engine Production Engineering Dept. Engine Manufacturing Group Aero Engne Business Division Aerospace Systems Company Kawasaki Heavy Industries, Ltd.

特殊工程認定証 Special Process Certificate



| 会社名 | Element Hartford | _ | | 取引先コード | 認定証番号 | | |
|----------|--------------------------------------|------|-------------------|---------------|-----------------|-----------------|--|
| Supplier | | | | Supplier Code | | Certificate No. | |
| 所在地 | 80 K imberly Drive, South Windsor CT | 郵便番号 | 宛先 Matthew Fede | oror | 有効期限 | 2027/4/14 | |
| Address | 06074 | | ATTN Matthew rede | erei | Expiration Date | 2027/4/14 | |

変更履歴 Change History

| 変更履歴 Chang | ge History | |
|------------|---|---------|
| 年月日 | 変更内容 | 備考 |
| Date | Change Summary | Remarks |
| 2024/4/15 | Continued approval (initial approval:2017/4/20) | |
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- End of Document -

Special Process Qualification · Approval Request



Date : 2024/1/11 Supplier: Element Hartford

Facility: Hartford

80 K imberly Drive, South Windsor CT 06074 Address:

Supplier Contact: Matthew Federer - QM

Phone, Email: 860-289-8225, info.hartford@element.com

| | | Applicable Part | | KHI | Special Process | | Applicable Specification | | Equipment ID, | HT Furnace | | |
|-----|---------|-----------------|-------------|-----------------------|-----------------|-------------------------------|--------------------------|-----------------|-----------------|----------------|------------------------|--------------------------|
| No. | Class | Engine Model | Part Number | Approval Cert. No. | Commodity | Process | Spec. No. | Type/Class etc. | Personnel | Temp. Range | Effective Work Zone | Note |
| Ex. | New | xxxxx | XXXXX | - | NDT | FPI | NAS410 | Level 3 | Kawasaki | - | - | - |
| Ex. | New | xxxxx | XXXXX | - | NDT | FPI | ASTM E1417 | Type 1, Method | PT-123 | - | - | - |
| Ex. | Renewal | xxxxx | xxxxx | 1234 | HT | Heat Treatment of Ni/Co Alloy | AMS2759/9 | - | VAC-456 | 600-1200°C | W500×H650 ×D1200 mm | - |
| Ex. | Change | xxxxx | xxxxx | 5678 | СР | Copper Plating | AMS2418 | Type 1 | CU-789 | - | - | Add new plating line CU- |
| 1 | Renewal | | | 4968 | NDT | ultrasonic Inspection | J-ISAJT-A004 | | Sonic 138vfd | - | - | PW1100G-JM Parts Only |
| 2 | Renewal | | | 4968 | NDT | ultrasonic Inspection | J-ISAJT-A004 | | usip-20 | - | - | PW1100G-JM Parts Only |
| 3 | Renewal | | | 4968 | NDT | ultrasonic Inspection | J-ISAJT-A004 | | usip-40 | - | - | PW1100G-JM Parts Only |
| 4 | Renewal | | | 4968 | NDT | ultrasonic Inspection | J-ISAJT-A004 |)· | matec trx-2 | - | - | PW1100G-JM Parts Only |
| 6 | Renewal | | | 4968 | NDT | Fluorescent pen | j-isajt-a002 | Grade 7 | mtc fpi line 1 | - | - | PW1100G-JM Parts Only |
| 7 | Renewal | | | 4968 | NDT | Fluorescent pen | J-FPM-CODE-2 | | mtc fpi line 1 | - | - | PW1100G-JM Parts Only |
| 8 | Renewal | | | 4968 | NDT | Fluorescent pen | J-NDTQ | | Anthony Bruno - | - | - | PW1100G-JM Parts Only |
| 9 | Renewal | | | 5357 | СР | Etching Inspection | J-ISAJT-D503 | Class A | BE 6 | - | - | PW1100G-JM Parts Only |
| 10 | Renewal | | | 5357 | СР | Etching Inspection | J-ISAJT-D503 | Class B | ME-14 | - | - | PW1100G-JM Parts Only |
| 11 | Renewal | | | 5587 | СР | Pre-pen etch of | KP-4238 | | AA6 | - | - | PW1100G-JM Parts Only |
| 12 | | | | - | | | | | | - | - | - |
| 13 | | | | - | | | | | | - | - | - |
| 14 | | | | - | | | | | | - | - | - |
| 15 | | | | - | | | P. | | | - | - | - |
| 16 | | | | - | | | | | | - | - | - |
| 17 | | | | - | | | | | | - | - | - |
| 18 | | | | - | | | | | | - | - | - |
| 19 | | | | - | | 440-5 | | | | - | - | - |
| 20 | | | | - | | | | | | - | - | - |

i) The Class is designated as follows

New: Initial Approval

Continued: Maintain the approval (extend the approval period)

Change: Change in applicable machine, operator/inspector or the type/class of applicable spec This includes the transfer of the machine or change in company name/organization name. Re-Approval: Restoration of approval which was cancelled in the past

ii) Due date of approval request

Continued: Until 90 days before expiry date.

Others: Until 60 days before the planned date of conducting the special process