

Certificate No. NESA-T116

Version No. 1.1

Approval date 18/02/2019
Approved by General Manager Technical Standards
Report no. NESA-T116
Report Date 18/02/2019

This certificate is issued to

Supplier Voestalpine VAE Railway Systems
 33 McLennan Street,
 Mackay, 4740
 QLD

In respect of

Manufacturer Voestalpine VAE Railway Systems & Voestalpine Schienen GmbH
Product description New 400UHC® PLUS HSH® Special premium crossing
Item identification As per Drawing Number VAM17844
Application Approved for 12 month trial at Thornton 107B Up Coal.
Relevant Standards

**Conditions of
Approval**

Supplier:

1. A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.
2. Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid certificate.
3. VAE Technical Services Manager to prepare a performance report after 12 months in service and submit to Heavy Haul specialist for review and acceptance.

ARTC:

4. Installation and maintenance to be as per manufacturer's instructions.
5. To be inspected and monitored monthly for the first 3 months and then every two months for the remaining trial period.
6. Project Manager to ensure formal handover and sign off to ARTC Area Manager. The handover to include all relevant quality records, maintenance guide and MST.
7. Area Manager to report ongoing performance issues to the Manager Standards.

Repairs and build-up:

8. The trial Repairs and build-up are to comply with recommendations for repair and build-up welding of rail steel in switches and crossings Rev.1.1- RJP/PDA 30/10/2018 approved by VAE. The repairs shall be monitored over a period of 6 months by VAE and ARTC and a report to be submitted to ARTC by VAE for review.
9. Welding consumables shall be EV50 3.2mm rods and Supradur 400B 4mm rods.
10. Welding repairs and build-up are to be limited to prequalified maximum length of 370mm and depth of 16mm.
11. Repairs and build-up are only to be carried out by welders trained, experienced and qualified to AS1085.20 and VAE's approved process. Welders are to comply with welding qualification procedure outlined in AS1085.20.
12. All weld repairs are also to comply with the requirements as set out in ARTC standards ETM-01-01, ETM-01-04, and ETE-01-03.
13. A wire feed welding return form shall be completed for every repair with the records handed to ARTC representative for non-destructive testing and acceptance.

Note/Comments Nil

Issue date 19/02/2019

Expiry date 12 months from start of trial

Issued by



John Furness
ARTC Manager Standards

Supporting Documents:

Drawing:

- VAM 17844

Quality Assurance:

- ISO9001 certificate

Manual:

- Assembly and Maintenance Manual, reference number: ART030063
- Installation, Operation and Maintenance Manual Repair Welding at Rails of Switches and Crossings, VAE CODE: A-513-EN V1.0
- Recommendations for Repair and Build-up Welding of Rail Steel in Switches and Crossings, Rev 1.1 - RJP/PDA 30/10/2018

Date Sheet:

- Data Sheet 400UHC PLUS HSH