

Project title	First approval of AJH Rail Rascal
Client name	Allan J Hargreaves Plant Engineers Ltd
Date	September 2020

SCOPE/OBJECTIVE

AEGIS were contracted to carry out both the Engineering Conformance certification and the Product Acceptance (PA) review. The Engineering Conformance is focused on technical compliance with RIS- 1530-PLT, therefore covering the compliance to standards requirements of the machine including stability, structural integrity, and prevention of derailment. The PA focuses on identifying hazards from using the machine on Network Rail's infrastructure and managing the associated risks.

As with any machine manufacturer, Allan J Hargreaves Plant Engineers (AJH Plant) is obliged by law, under the Machinery Directive, to identify hazards associated with the machine and eliminate or control the risk to acceptable levels.

A large part of the PA review undertaken by AEGIS is focused on ensuring that this process has been carried out robustly. On reviewing AJH Plant's risk assessment for the product, AEGIS confirmed that a Hazard Identification had been undertaken in a structured manner, taking into account the Network Rail Hazard Prompts (a list of common hazards associated with rail plant).

TECHNOLOGY USED (IF APPLICABLE)

N/A

HOW WE HELPED

AEGIS ensured that AJH Plant identified the person responsible for carrying out each administrative control in its risk assessment and where they are briefed about the need for the control. For example, they identified that the requirement to maintain exclusion zones is briefed to all railway staff in the Lifesaving Rules and the Plant Manual and that the requirement to measure brake force at regular intervals is briefed to maintenance staff within the machine's maintenance plan.

All machinery must be CE marked and declared by the manufacturer to be compliant with the Machinery Directive. This is a 'self- certification' process as required by law, which in other industries is often not checked by a third party. As part of PA, AEGIS confirms that the manufacturer has followed a suitable process in assuring themselves that the product complies with the Machinery Directive.

AJH Plant completed this with a clause-by-clause assessment against the applicable Harmonised Standard, EN15746-2. AEGIS ensured AJH Plant had followed due process in this by undertaking spot checks of a small sample of the checklist and reviewing evidence AJH Plant had applied a CE mark to the machine.

OUTCOME

Following demonstration of compliance with the 26 PA requirements, AEGIS produced a summary report and draft certificate including a recommendation for full PA. The report provided an overview of the machine, a summary of the review work undertaken, and a description of the hazard identification and risk assessment processes employed by AJH Plant. On review of the report, Network Rail issued a full PA certificate for the machine.



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