



CERTIFICATE OF APPROVAL

This is to certify that the following product has been reviewed and approved by Fearnley Procter Inc. and an NS-1™ Technical Review Committee.

Date of Approval: 22/7/2010

Cert/NS-1 Approval Number: 0051/10-2

Valid Until: 21/7/2011

Reviewed Against: AA.03.30.00.1110 Rev. 09

Review Number: FP Inc. 0361

NS-1™ Quality and Inspection Requirements for New and Refurbished Drilling and Well Completion Equipment, Edition 2 – January 2006

Product: Tuffband® NC Alloy Hardbanding

Candidate: Postle Industries Inc, 5500 West 64th Street, Cleveland OH 44142

FEARNLEY PROCTER NS-1™ LEVEL 2 PRODUCT APPROVAL
(Tuffband® NC Alloy Hardbanding - New Application for Tool Joints Only)

Scope:

The procedure followed has been to compare the specific requirements of the relevant Fearnley Procter NS-1™ documentation with the submitted information, and to perform certain testing on the product.

The evaluation of the application procedures for Tuffband® NC Alloy Hardbanding on drill pipe has been performed in compliance with the general requirements and recommendations as stipulated in NS-1™ Supplementary Requirements, AA.03.30.00.1110 (Rev. 09) Section 5.0, and Sub-Specification 90.1, 90.3 and 160.

The following data was supplied and tests performed by Postle Industries Inc. to Fearnley Procter Inc., for this approval.

1. Casing Wear Analysis Data, 2. Hard-banding Adhesion Test Results, 3. Welding Procedures/Guidelines, 4. Inspection Guidelines, 5. Acceptance/Rejection Criteria, 6. Hardness Test Results.

Reference Documents: Postle Industries Inc. Hardbanding Manual Version 1.3 Feb 16 2010 – MOHR Engineering Wear Test Report, Project No. 173589

As a result of the review Postle Industries Inc. Tuffband® NC Alloy Hardbanding has been granted approval and is listed as an NS-1™ Level 2 approved product and deemed suitable for service when applied as per the processes and procedures reviewed and the requirements of NS-1™.

Approved By:

A handwritten signature in black ink, appearing to read "Kevin Fearnley", is written over a dotted line.

Kevin Fearnley
(Chairman NS-1™ Technical Review Committee)