



REVIEW NO > 2017-224
CERTIFICATE NO > 0107/17-5
APPROVAL DATE > 25th November 2017
EXPIRY DATE > 24th November 2019
REGISTERED SINCE > 25th November 2012

**FACILITY
 APPROVAL
 2018**

Drilling Tools & Remedial Facility - Schlumberger Technology Corporation & Smith International, Inc.

1310 RANKIN ROAD, HOUSTON, TEXAS, USA. 77073.

Fearnley Procter Certify that the above company's Quality Management System has been assessed and found compliant with

Spec Q1 (API) 9th Edition

(Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry) &

Fearnley Procter NS-1TM Edition 3 Quality and Inspection Requirements for New and Refurbished Drilling and Well Completion Equipment Standards.

SCOPE	SPECIFICATIONS	SERVICE/PROCESS
> Drill Collars	> NS.03.38.10.1110 Incorporating the requirements of API Spec 7-1 & Spec 7-2	> Heat Treatment, Machining, Threading, Cold Rolling of Threads, Surface Treatment, Inspection & Testing
> Drill Stem Substitutes	> NS.03.60.00.1110 Incorporating the requirements of API Spec 7-1 & Spec 7-2	> Heat Treatment, Machining, Threading, Cold Rolling of Threads, Surface Treatment, Inspection, & Testing
> Non-Welded Heavy Weight Drill Pipe	> NS.03.30.80.1120 Incorporating the requirements of API Spec 7-1 & Spec 7-2	> Heat Treatment, Machining, Threading, Cold Rolling of Threads, Surface Treatment, Inspection, & Testing



Fearnley Procter Group
 Non-productive-time Solutions

Issued By
Kevin Fearnley
 Chairman NS-1TM Technical Review Committee

CONDITIONS: 1) All stated processes to be performed at the above facility with the exception of cold working of SRG and Boreback, which shall be performed by Superior Shot Peening Inc., Houston, in accordance with procedure No. ES7 40664. 2) Drill Collars and Drill Stem Substitutes manufactured from 4145 material and with a diameter of 8¼" or smaller are certified by this approval. 3) Casing friendly Hardbanding shall be applied by Drilco 1310 Rankin Rd Houston TX in accordance with Schlumberger Engineering specification ES5.40751 Revision A. 4) Inspection of the application of casing friendly hardband shall be performed in accordance with Schlumberger Engineering specification No ES5.39646 Rev E.
EXCLUSIONS: 1) Spec Q1 (API): Section 5.4 Design and Development and Section 5.7.1.2 Servicing. **NOTA BENE:** 1) For approved Hardbanding Processes see Certificate No. 0211. 2) This assessment included the minimum requirements of the referenced API specifications in relation to the NS-1TM specification/s stated in the scope.

To maintain validity during the said period the above named Company must maintain a valid subscription to and comply with the Fearnley Procter NS-1TM Quality and Inspection Requirements for New and Refurbished Drilling and Well Completion Equipment and API Q1. Certificates and Levels of Approval can be verified at www.fearnleyprocter.com