



REVIEW NO > FZE 1669  
CERTIFICATE NO > 0182-1/17-3  
APPROVAL DATE > 25<sup>th</sup> July 2017  
EXPIRY DATE > 24<sup>th</sup> July 2019  
REGISTERED SINCE > 25<sup>th</sup> July 2016

**FACILITY  
APPROVAL  
2017**

# Henan Shenlong Petroleum Drilling Tools Co., Ltd.

YUGONG SOUTH ROAD, TECH ZONE, JIYUAN CITY, HENAN PROVINCE, P.R.C.

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

**Spec Q1 (API) 9<sup>th</sup> Edition**

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

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

#### SCOPE

- > Non-Magnetic Drill Collars/  
Drill Collar Pup Joints and Subs
- > Non-welded Heavy Weight  
Drill Pipe
- > Integral Blade Stabilisers and  
Replaceable Blade Stabilisers

#### SPECIFICATIONS

- > NS.03.65.00.3110 Incorporating the  
Requirements of API Spec 7-1 & Spec 7-2
- > NS.03.30.80.1120 Incorporating the  
requirements of API Spec 7-1 & Spec 7-2
- > NS.03.38.82.1110 Incorporating the  
requirements of API Spec 7-1 & Spec 7-2

#### SERVICE/PROCESS

- > Machining, Threading, Cold Rolling of Threads & Stress  
Relief Features, Inspection, & Testing
- > Machining, Threading, Cold Rolling of Threads & Stress  
Relief Features, Inspection, & Testing
- > Machining, Threading, Cold Rolling of Threads & Stress  
Relief Features, Inspection, & Testing
- > Welding of blades to body



**Fearnley**  
INTERNATIONAL GROUP LTD

Issued By  
**Kevin Fearnley**  
Chairman NS-1<sup>TM</sup> Technical Review Committee

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

**CONDITIONS:** 1) All stated processes to be performed at the above facility. 2) Non-Magnetic Drill Collar forgings supplied by JiYuan City Dongfang Non-magnetic Steel Forging Co., Ltd. 3) Non-Welded Heavy Weight Drill Pipe and Stabilisers heat treated bar supplied by JiYuan City Xinli Heat Treatment Co., Ltd. 4) Non-Magnetic Drill Collar material, SLW - 3 and SLW - 3 - PR are certified by this approval. **EXCLUSIONS:** 1) Spec Q1 (API): Section 5.4 Design and Development and Section 5.7.1.2 Servicing. **NOTA BENE:** 1) The facility shall obtain customers' written approval for using LEEB method in surface hardness test. 2) Non-Magnetic Drill Collar material was tested for Intergranular Corrosion with Method E without sensitizing treatment. 3) This assessment included the minimum requirements of the referenced API specifications in relation to the NS-1<sup>TM</sup> 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-1<sup>TM</sup> 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.fp.international](http://www.fp.international)