EQUALIZER™ INTERNATIONAL

FLANGE TOOL INNOVATION

CASE STUDY

CS-2016-02

NS36 SITE TRIALS

REMOVAL OF CORRODED NUTS

ASSIGNMENT

CUSTOMER:
THINJACK LTD

LOCATION:
THINJACK LTD – WORKSHOP TRIALS

DATE
SEPTEMBER 2016

BACKGROUND

ThinJack contacted Equalizer International Ltd for assistance in the removal of corroded nuts.

PROBLEM

API 6A 13 5/8" 5M flange with 16 x 66mm AF seized nuts.

The flanged connection was "made up" in 1979 (37 years ago) and was so corroded that a torque tool was unable to loosen the nuts.

INSTALLATION OF BLIND

EQUALIZER™ INTERNATIONAL

FLANGE TOOL INNOVATION

TRADITIONAL METHODS

- Hot work
- Torqueing equipment
- Hand tools – Senga saws etc
- On site machining
- N2 freezing

EQUALIZER SOLUTION

Equalizer's technical department identified which size and model of nut splitter would be suitable for the application.

Together with the Equalizer team, ThinJack used the Equalizer NS36TE Nut Splitter to cut the nuts. After cleaning away the loose rust the average time to split each nut was 12 minutes with hydraulic pressures of 6000 to 8000 psi. (NS36 max working 10,000 psi)

Each of the 16 nuts were cut twice during the process to enable rapid removal of the nuts in two halves.

A single cutting tip was used throughout the operation. After removal of all the nuts the cutting tip showed no sign of wear and would have gone on to cut many more nuts before requiring replacement.

OUTCOME/MOVING FORWARD

ThinJack was extremely pleased with the end result which meant that the flange could then be separated. They will now use the NS range wherever they can going forward.

CUSTOMER BENEFITS

Save Time = Save Money

Safety first

Awareness training from Equalizer International

Cold work Permit – no disruption with sim ops in area

Multi skilled team

TECHNICAL ENQUIRY?

Please visit our website

www.equalizerinternational.com/contact