

CASE STUDIES: NON-STANDARD APPLICATIONS OF EQUALIZER TOOLS

#2.0: FLANGE ALIGNMENT EXTENDED REACH TOOL

FLANGE ALIGNMENT CASE STUDY

2.1 BACKGROUND

LOCATION:

CONFIDENTIAL

UK Onshore Refinery

OPERATOR:

CONFIDENTIAL

DISTRIBUTOR:

CONFIDENTIAL



FLANGE ALIGNMENT CASE STUDY

2.2 ENQUIRY

ENQUIRY SOURCE:

Equalizer staff onsite at refinery during site visit

KNOWN ISSUES:

- Notorious flange-joint, disliked by operator due to difficulty in aligning

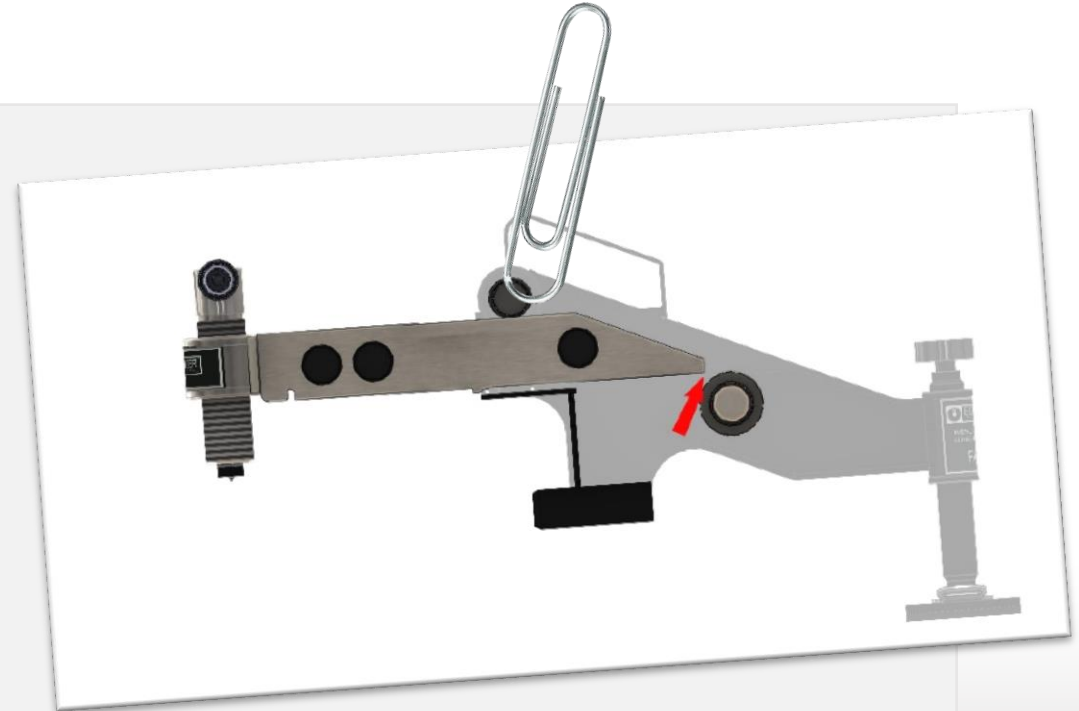


FLANGE ALIGNMENT CASE STUDY

2.3 RESPONSE

TOOL RECOMMENDATIONS:
based on flange size, standard
Equalizer tools are too small

Equalizer **FA9TE** had
insufficient wing-reach for this
flange-joint.

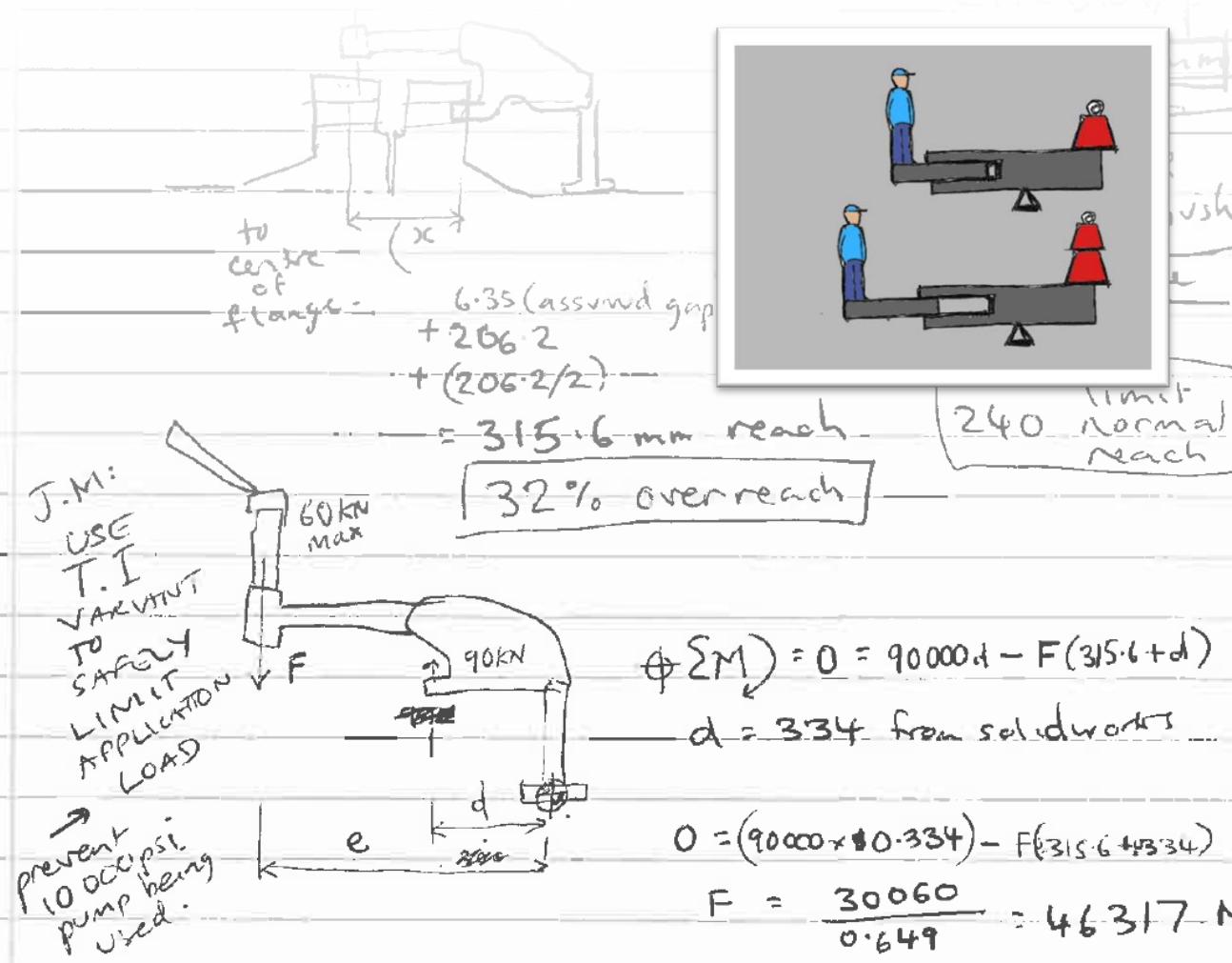


FLANGE ALIGNMENT CASE STUDY

2.4 DEVELOPMENT

TECHNICAL ISSUE!

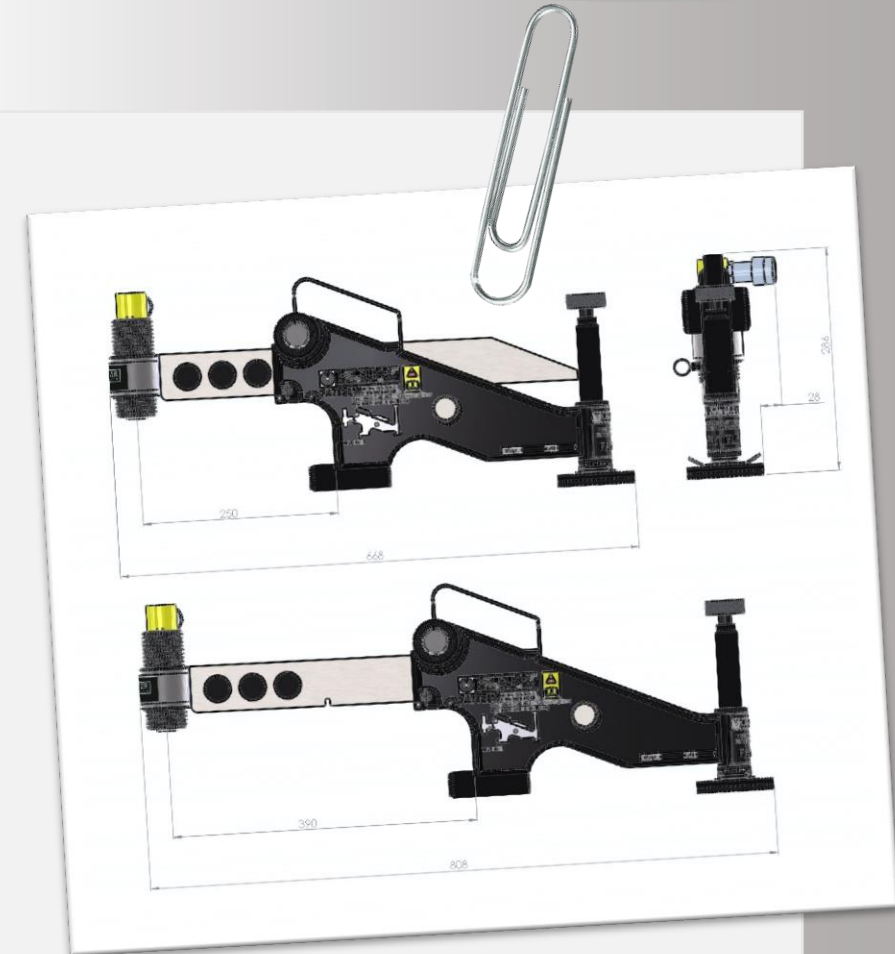
Tool modification required – calculations, development and testing required.



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2.5 PROPOSAL

- New Extended Reach Hydraulic Alignment tool proposed
- Down-rated hydraulics specified to prevent over-load - caused by increased torsional stresses due to longer wing



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2.6 OFFERING

- FA7TELW
Long-Wing Hydraulic Flange Alignment Tool.
- Tool supplied within 10 days
- 90% of standard FA9TE components shared



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2.7 OUTCOME

- Tools delivered within promised time-scales
- Customer delighted with performance of tool.

