Recorded work

Packed pump JAW used
three rings below lantern ring and 2 rings above. Installed gland halves and fasteners and made up finger tight. Made up remainder of piping removed during disassembly. Cleaned work area, removed all tools, fan, cords, etc. Ready to release ECO and adjust packing due to

Coordinated with ops to run pump. Verified that packing adjustment was loose. Started pump and had performance techs take vibration readings. Vibrations were high. Contacted supervisor and engineer and decided to check alignment. Had ops tag out. Checked runout with pump coupled .004 at pump shaft, .004 at pump coupling, .003 at motor coupling and .001 at motor shaft. Loosened coupling fasteners and dropped pump .010. Checked coupling to coupling TTR and found .008. Also found that coupling keys are approx 80° apart, should be 180° apart. Finished uncoupling and performed uncoupled motor run and checked for vibration. Secured pump and had ECO reassembled.

Verifed ECO had been reassembled. Walked down and verified tags, loosened motor to base fasteners. Aligned Couplings. Tighered Motor fasteners to 275 ft lbs. As per supervisor direction and Engineering instructions, turned coupling keys 180° apart. Tightened coupling fasteners to 400 ft lbs. As left Runout to pump shaft is .001". As left Coupling alignment is .001". Cleaned and cleared work area. Released ECO and requested ops to place in service. Ops cannot place in service at this time due to midloop. They think that they will be able to
Increase in 1x and 2x (2x appeared from nowhere) and noise floor
CD22 2A

aligned

time

time

time

uncoupled

misaligned
CD22 1H1

Increase in 1X and 0.3X and 2X
CD22 1H2

aligned

uncoupled

misaligned
CD22 2H1

aligned

coupled

misaligned

Increase in 2X
CD22 2H2

Increase in 2X
CD22 3H1

aligned

uncoupled

misaligned

Increase in 2X and 5x
CD22 3H2

aligned

uncoupled

misaligned

5X high both aligned and unaligned