



CASE STUDY | HET

Rotating Equipment Casing: Centrifugal Compressor Casing Closure

PROVIDING

- Elimination of galled threads
- Uniform and repeatable loading
 - Shorter turnarounds
- Reduced acceptance test periods

APPLICATIONS & FEATURES

- Standard tensioning solution for exposed threads above exiting hex nuts
- Modular design – common load cell with interchangeable puller screws available in any size thread and pitch
- Thread sizes $\frac{3}{4}$ " to 4" for loads up to 615,000 lb
- Simultaneous tensioning as any number of tensioners can be linked together



HYDRAULIC EXTERNAL TENSIONER (HET)

PROBLEM

1. Non-uniform load distribution between casing halves with traditional torquing methods and multi-jackbolt torque nuts
2. Resulting leak paths and sub-marginal acceptance tests
3. Extended delivery and commissioning times due to numerous adjustments required to achieve clamping uniformity

SOLUTION

1. Uniform and repeatable clamping pressure
2. Trouble-free acceptance testing as leak paths are eliminated
3. On-time delivery and start-up



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