LINE BORING OF BRACKETS HOLES FOR OCTAGONAL FDPSO NEW BUILD PROJECT

FAIRLEADER BRACKET HOLES ALIGNMENT AND BORING

Goltens received an inquiry to in-situ line boring of fairleader brackets for a new build octagonal FDPSO vessel (Floating, Drilling, Production, Storage and Offloading) project. Goltens' in-situ specialists visited the shipyard and discussed the technical requirements for the project with the Project Director at the yard.

Goltens discovered that during installation of the fairleaders, welding had caused a misalignment of the centerline and distortion of the brackets. In Situ line boring would be required to realign the 13 sets of bracket holes to a suitable condition.

Goltens prepared a complete project execution plan including key milestones and detailed time schedule. Goltens quickly mobilized tools and machining specialists to the yard and worked 24 hours a day to complete the job before the deadline required by the shipyard.

MACHINING CONSISTED OF:

- Alignment checking of 13 sets of 651mm diameter upper and lower bores concentric with taper holes of bearing bracket
- Line-boring of 13 sets of 3 fairleader holes to the dimension of Maker's specification (652.5mm finished diameter)
- Post boring alignment check to verify accuracy of boring
- Application of surface preservative/protective oil

RESULTS:

Goltens service team completed the entire job within 7 days from start to finish. Goltens completed the job before the shipyard's deadline to the full satisfaction of the technical director and approval by the FDPSO Owner and Class Surveyor.

PROJECT FACTS: Octagonal FDPSO N262

Max working depth:	3000 meter
Storage Capacity:	160, 000 barrels
Fairleader diameter (pre):	651.00
Fairleader diameter (post):	652.50
Fairleader Sets:	13 sets of 3 bores