

SYSTEM INTEGRITY ANALYSIS 2" 2500# BALL VALVE



EnerMech provided a highly skilled, knowledgeable team and specialist equipment to successfully carry out analysis on a ball valve on a North Sea asset. The testing was a safety requirement for the client and was closed out promptly, ensuring the client's safety management system was adhered to.

Client: North Sea Operator

Year: 2020

Product/Service: Valves services

Scope of work

Flow testing was carried out due to a fitting blow out during a scheduled operation of the valve whilst in service.

The aim of the testing was to determine the amount of gas released in to atmosphere during the operation of the valve via the fitting orifice.

Project Delivery

EnerMech engineered a viable test set up onshore to ensure that the offshore test would be delivered without any issues. They produced a detailed method statement and risk assessment to the client for full compliance ahead of carrying out the scope of work, as well as a solid works drawing of the valve to allow for a visual representation of the cross sectional flow area.

Post-test all calculations, results and conclusions were compiled and a full strip and inspection report based on the condition of the valve, along with a full dimensional inspection were provided.

The performance on this project of work led to EnerMech inspecting all other valves on the asset to ensure asset integrity.

Key Benefits

Thorough system integrity analysis allowed for a vital safety investigation to be closed out promptly whilst ensuring the client's safety management system was adhered to.

The inspection process and valve expertise within the division prompted an inspection of all other valves on the asset to ensure asset integrity.