

Scarabeo 8 – Temporary position at Ølensvåg fjord

Mooring Analysis

Project overview:

Customer: Saipem

Service: Mooring analysis of anchor pattern with thrusters assist for rig Scarabeo 8 during temporary position at Ølensvåg fjord

Duration: Office: 3 weeks

Final deliverables: Mooring analysis report with mooring arrangement drawing

Approval: Submitted to client and DNV-GL for approval

Main objectives

- The main objective of the project was to prepare drawing showing location of rig Scarabeo 8 at Ølensvåg fjord with anchor mooring arrangement during temporary position.
- Rig temporary position was dictated by coming arrival of Aasta Hansteen Topsid on Dockwise Heavy Transport Vessel White Marlin for load transfer operation to Dockwise two S-Class vessels catamaran barge at yard quay.
- Perform mooring analysis in ANSYS software package to confirm adequate safety factors in mooring system with rig thrusters assist under environmental loads with 10 year return period in Intact and Damage conditions.
- Submit mooring arrangement drawing with mooring analysis report to client and DNV-GL for approval.

