

REPORT TITLE:

FIELD SERVICE REPORT

2	10.10.2023	Final report issued for use	KAS	EMG	
1	28.09.2023	Initial Draft mob 2	KAS		
0	21.08.2023	Initial Draft	REI	EMG	
REV. NO.	ISSUED DATE	REVISION DESCRIPTION	PREPARED BY	CHECKED BY	PROJ. APPR.

SUMMARY:

This is a summary report for the work performed onboard Deepsea Yantai 2023. The purpose of this report is to highlight the executed scope of work and findings, together with inspection basis. During two mobilizations the following work has been carried out:

- Drops inspection.
- Bolt check
- Lifting equipment in height

From 11.08.23 – 21.08.23; following team was mobilized

- Roy Are Hovdenakk (safety leader)
- Kristian Eik (inspector)
- Roger Eidem (work leader)

From 19.09.23 – 29.09.23; following team was mobilized

- Espen Amundsen (safety leader)
- Rytis Vaikšnoras (inspector)
- Kjetil Ask (work leader)

CLIENT:  ODFJELL DRILLING	INSTALLATION / PLANT: DEEPSEA YANTAI	
	AXESS PROJECT NO.: 258034-16	
	AXESS PROJECT NAME: 258034-16 - DEEPSEA YANTAI - DROPS, BOLT CHECK AND LEC AT HEIGHT 2023	
	AXESS REPORT NO.: 258034-16-207-01	
	CLIENT PURCHASE ORDER NO.: TBA	
DOC. TYPE / DISCIPLINE: DROPS	AREA: RIG WIDE	SYSTEM: DROPS / LEC

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1 SCOPE

Annual survey DROPS, Bolt check and Lifting equipment at height.

DROPS

- Rig wide as instructed by client.
- Based on previous history and reports

Bolt check

- 25 % of the derrick
- 100% of dolly guides

Lifting equipment at height

- Loose lifting equipment at height rig wide.
- Pad eyes in high activity areas (moonpool and derrick)

Other loose equipment at height as instructed by client.

Period:	11.08.2023 to 21.08.2023 (MOB1) and 19.09.2023 to 29.09.2023 (MOB2)
Client contact:	Kenneth Andersen

2 DESCRIPTION

2.1 Lifting equipment

Lifting equipment at hight has been inspected with use of rope access.

Lifting equipment inspected:

- Pad eyes included in lifting arrangement.
- Sheave blocks.
- Shackle.

See attached register list for full overview.

Pad eyes not in use, have not been inspected. See information about pad eye from Norsok R002 below.

- **Norsok R002 Annex H (normative) Foundations and suspensions**

H.1 General (Group H)

The requirements of this annex apply in addition to the requirements stated in Clauses 1 to 5. See Introduction in this standard for order of precedence. Foundations and suspensions are not regarded as

lifting appliances. They are structural components/elements used for supporting or suspending the lifting appliance and is considered as the interface between a lifting appliance and general structure.

H.2 Group overview

Table H.1 – Group overview foundations and suspensions

Group no.	Group	Definitions
H1	Runway beams	Monorails and beams including their fastening to structure for suspension of permanent or temporary lifting equipment.
H2	Lifting lugs	Lugs including their fastening to structure for suspension of permanent or temporary lifting equipment.
H3	Sheave brackets	Sheave brackets including their fastening to structure for suspension of permanent or temporary sheaves.
H4	Foundations	Structural or mechanical parts used as foundation for permanent or temporary mounted lifting equipment to structure.

2.2 DROPS inspection.

Drops inspection has been carried out in moonpool, derrick, LQ, PORT crane, STB crane and pipe handling crane. During the annual DROPS inspection, a lot of galvanic corrosion has been observed on, among other things like, attachment points on the rig, searchlights, and girdle wires (See Sfs chapter 4.1). This was too comprehensive to be able to close all findings during inspection.



During inspection of wind walls and applying and retightening missing or loose bolts it has been noticed that many bolts have become loose. The main reasons for this are the small dimensions of the bolts used, the optimal locking method on the bolts are not used and general damage to the walls caused by collisions.

The DROPS inspection is mainly a visual inspection of objects at height. The inspectors cover a large number of objects in a limited time frame, this makes it likely that the inspectors can overlook conditions that should be reported and repaired. Conditions that are not visible from the outside will usually not be detected. We would like to emphasize that the most important preventive work is done by the crew on board in their periodic inspection routines.

- See (258034-16-268-01 Picture log, findings DROPS inspection) for more information.

2.3 Bolt check

The annual bolt inspection should cover 25% of structural bolts in the derrick and 100% of the bolted connections at the dolly guide beams. Preferably the inspections should be scheduled to cover one side of the derrick each year together with the dolly guide beams. In this way the entire derrick is inspected in a 4-year cycle.

If several loose or damaged bolt connections are found, an escalation of the inspection scope should be considered together with the rig management.

See "inspection matrix" for planned scope and history.

2.3.1 Inspection matrix

År	PO no.	Report number	Scope	Location
2022		Inspection done by Odjell Rig Inspection services	50% of derrick 100% of dolly beams 100% of stand building beams	Fwd side Stbd side
2023	TBA	258034-16-207-01	25% of derrick	Aft side

2.3.2 Findings

There were no findings in the inspected areas.

3 REMAINING WORK

No remaining work

4 GENERAL CONDITION

In general, there are very good practices and routines on board for the prevention of falling objects.

Ensure that PFG checks are carried out in areas before and after work, as well as internal routines for periodic inspections.

Mounted equipment has locking bolt connections and a secondary barrier against falling objects.

5 FINDINGS

- See attached picture log. (258034-16-268-01 Picture log, findings drop inspection)

6 ATTACHMENTS

- 258034-16-268-02 Picture log, findings DROPS inspection.
- 258034-16-269-02 Findings list
- 258034-16-261-02 Register list