

Engine Room Crane And Provision Crane Inspection Report

Customer	ANGLO EASTERN ANTWERP	Vessel	MV MINERAL OSTERREICH
IMO	9989455	Date	2025-11-21
Project	Crane inspection	Place	YANTAI PORT
Weather	WINDY	Engineer	WANG JUNPENG

Equipment Information

Provision crane	Jiangsu Masada Heavy Industries Co., LTD	Masada SWL 8T 4.5-24m
Engine room crane	CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., LTD	OSL4A0750/OLS2 0750

Purpose of Attendance

To carry out a general inspection and function test for both provision cranes and engine room crane

REPORT FINDINGS

Inspection Time: 11th NOV, 09:30-18:30h

Reached vessel and held meeting on board with C/E to discuss the job scope and carry out toolbox and risk assessment.

Provision crane 1 (Port side)

1. The crane column and jib were visually checked, it kept normal condition and good coating.
2. All limit switches were in good condition working satisfactory.
3. All hydraulic hoses were in good condition.
4. The level gauge was in good condition.
5. The crane break was in good working condition.
6. The balance valve was in good condition.
7. The control valve block and level were in good condition and working satisfactory.
8. The oil pipe fixing bracket was in good condition.
9. The hydraulic cylinder was in good condition.
10. The hook was in good condition and safety latch for hook was also in good condition.
11. The grease line for the jib head sheave was clear and well greased.
12. The wire rope was well greased and in good condition.

Provision crane 2 (Starboard side)

1. The crane column and jib were visually checked, it kept normal condition and good coating.
2. All limit switches were in good condition working satisfactory.
3. All hydraulic hoses were in good condition.
4. The level gauge was in good condition.
5. The crane break was in good working condition.
6. The balance valve was in good condition.
7. The control valve block and level were in good condition and working satisfactory.
8. The oil pipe fixing bracket was in good condition.
9. The hydraulic cylinder was in good condition.
10. The hook was in good condition and safety latch for hook was also in good condition.
11. The grease line for the jib head sheave was clear and well greased.
12. The wire rope was well greased and in good condition.

RECOMMENDATIONS

a) Corrosion Treatment

1. Steel protection for oil level gauge should be cleaned and painted properly.

b) Hydraulic

1. Replace hydraulic oil every 12-18 month.

c) Mechanical

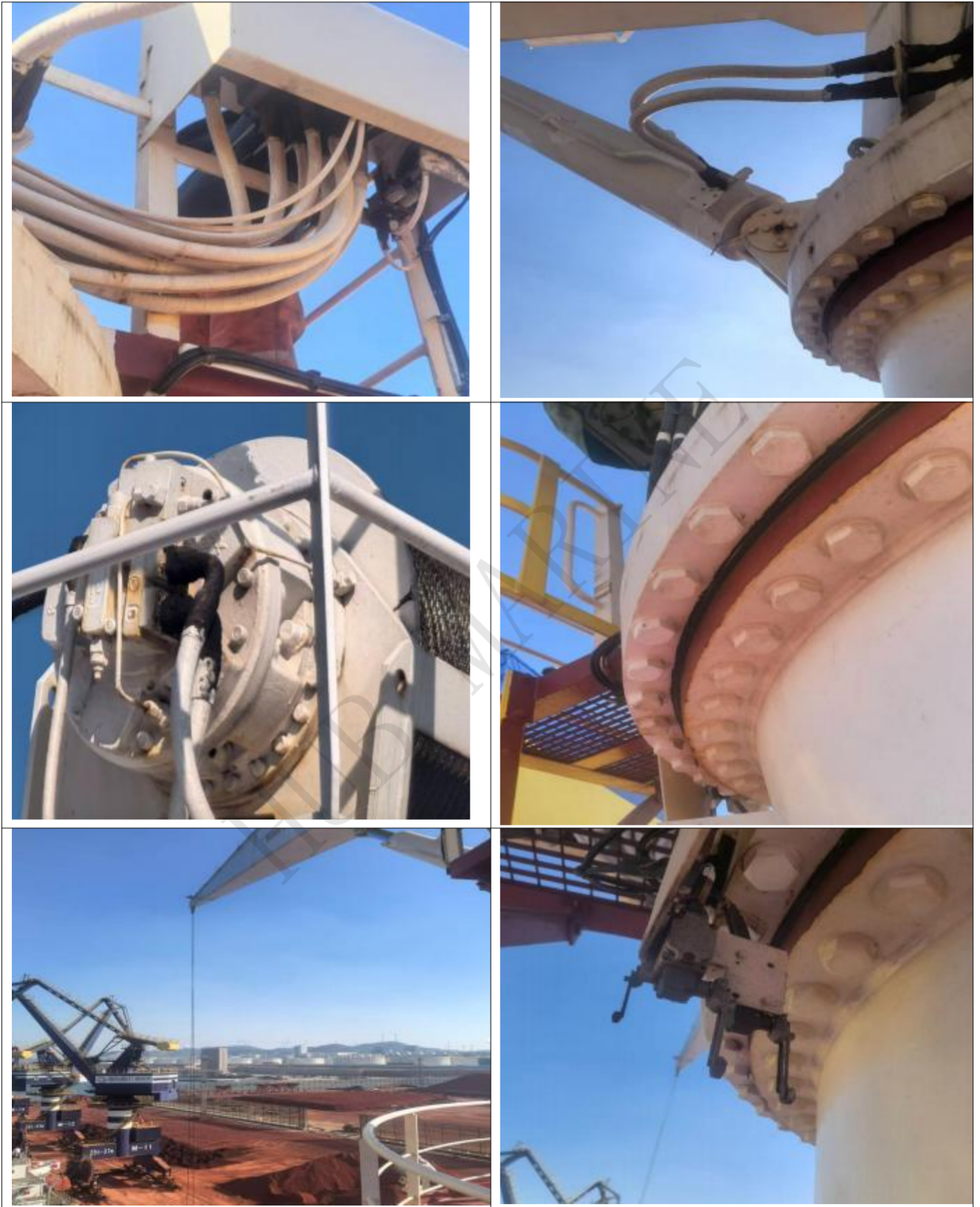
1. Fill calcium base grease at provided lubricating points during daily use. Fill oil once before and after every sailing or per month.
2. The steel wire rope should be coated with grease. The steel wire rope shouldn't be used while lack of oil. Check wire rope at any time. When the wire rope broken by 5% or outer layer wire rope worn by 40% is found, replaced it.

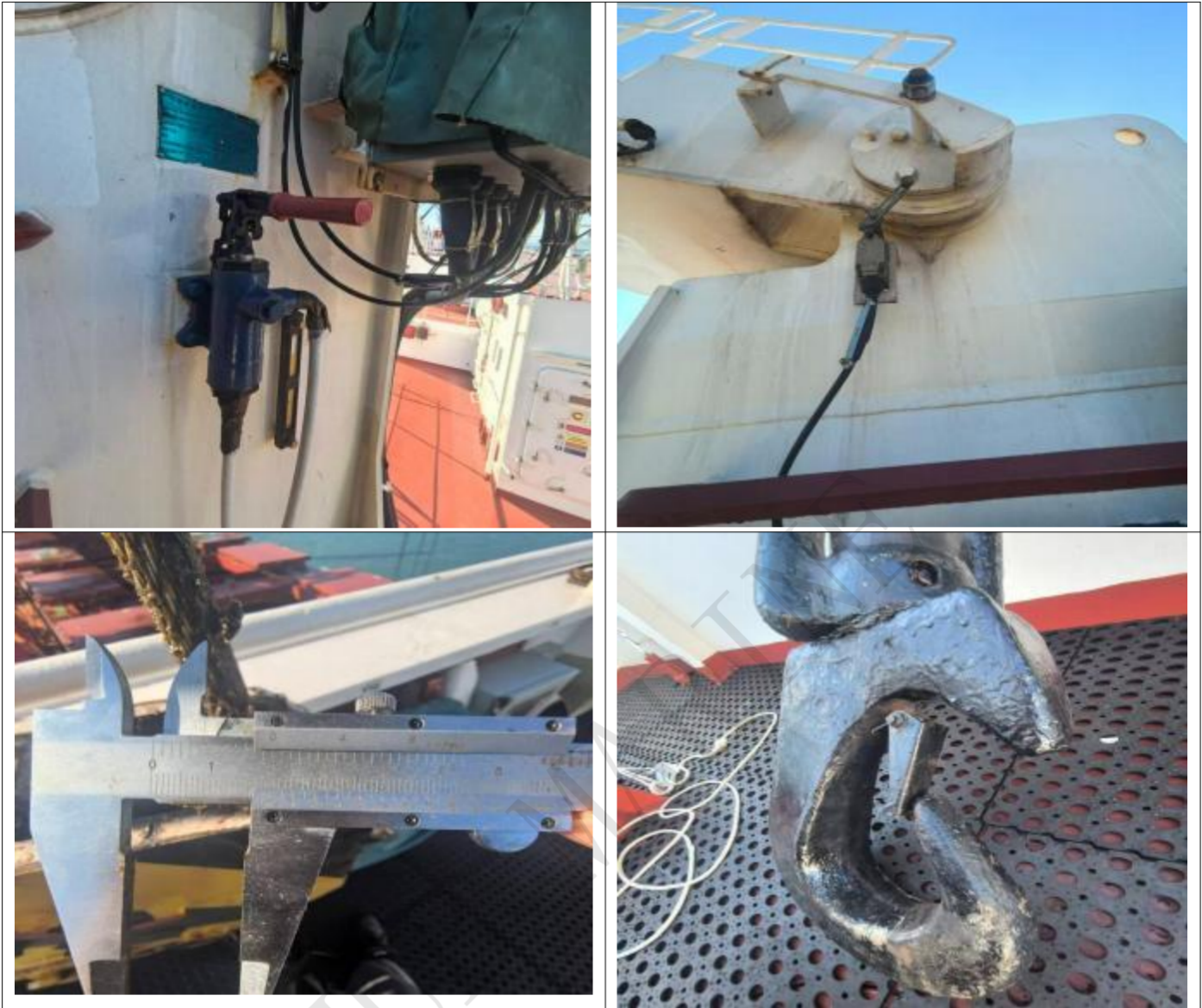
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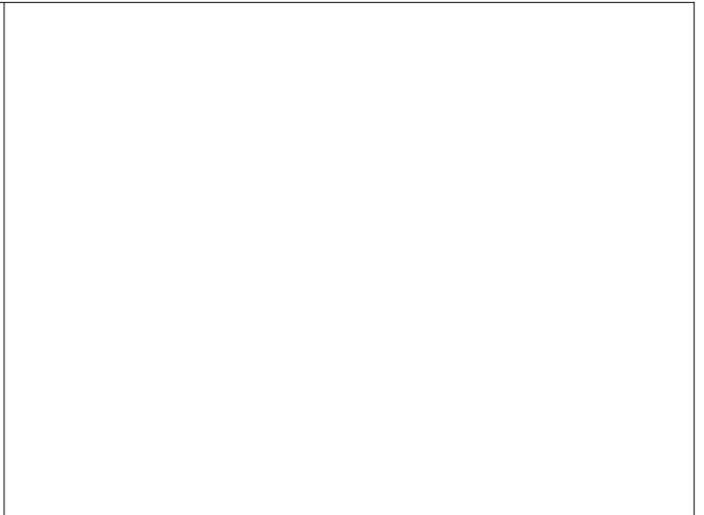
Provision crane(port side)







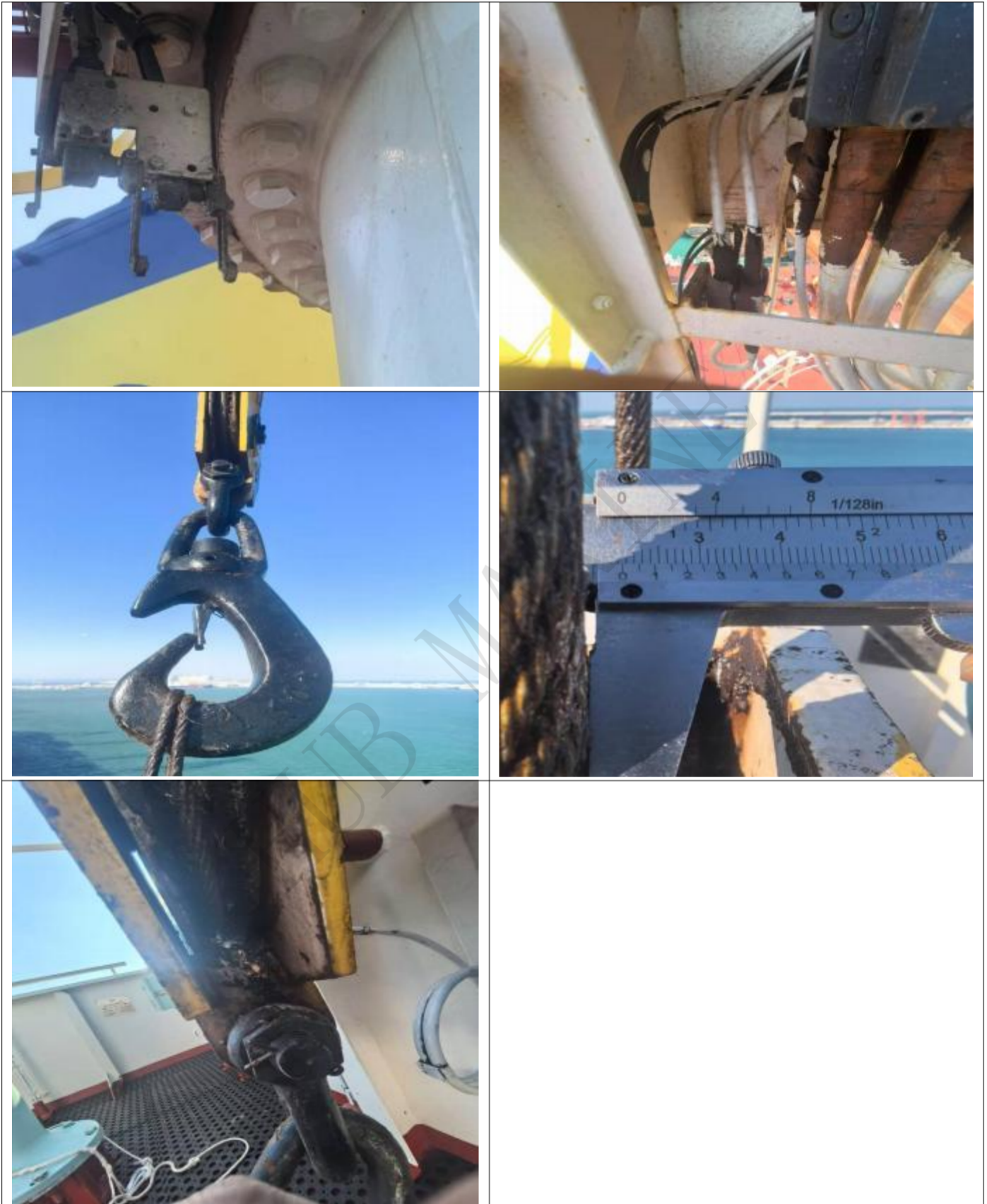




Provision crane(STBD side)







Engine room crane

1 Girder and saddle structure.

The structure was checked visually, no deformation and loose part was found. Gear and rack was greased properly, roller/messenger wire/warning light was found in good condition.

2 Hoisting device

Hook block's moving parts were in good condition. Hook lock and block wheel was in good condition. Chain was found in good condition. Hoisting break was checked, found in good working condition. Winch motion is smooth and its safety limit switch are good functioning.

3 Traveling device

Traveling gear / chain/ shaft/ coupling/ bearing were checked visually and found all in good condition

4 Traversing device

Traversing gear's bearing cap was found in good condition. Rack/ roller/ gear were checked, found all in good condition.

5 Limit switch

POSITION	CONDITION
Hoisting up	OK
Hoisting down	NA
Traversing PS	OK
Traversing STB	OK
Traveling FOR	OK
Traveling AFT	OK

6 Others

Emergency stop switch tried out, and found in good condition.
Control box was clean and well maintained.

Recommendations:

1. Traveling wheels to be cleaned and greased.
- 2 Change lubricant every 10000 working-hours (after two years at the latest) and at the same time clean and refill bearings 1/3 with grease.
- 3 Lubricate the bearings together with oil filling of gear.
- 4 External cleaning and rust prevention for e-control boxed.
- 5 Clean toothed rack & traveling guide surface, grease toothed rack and pinion and all moving parts in proper way.
- 6 Hoists and cranes must be tested by a qualified person- at least once a year

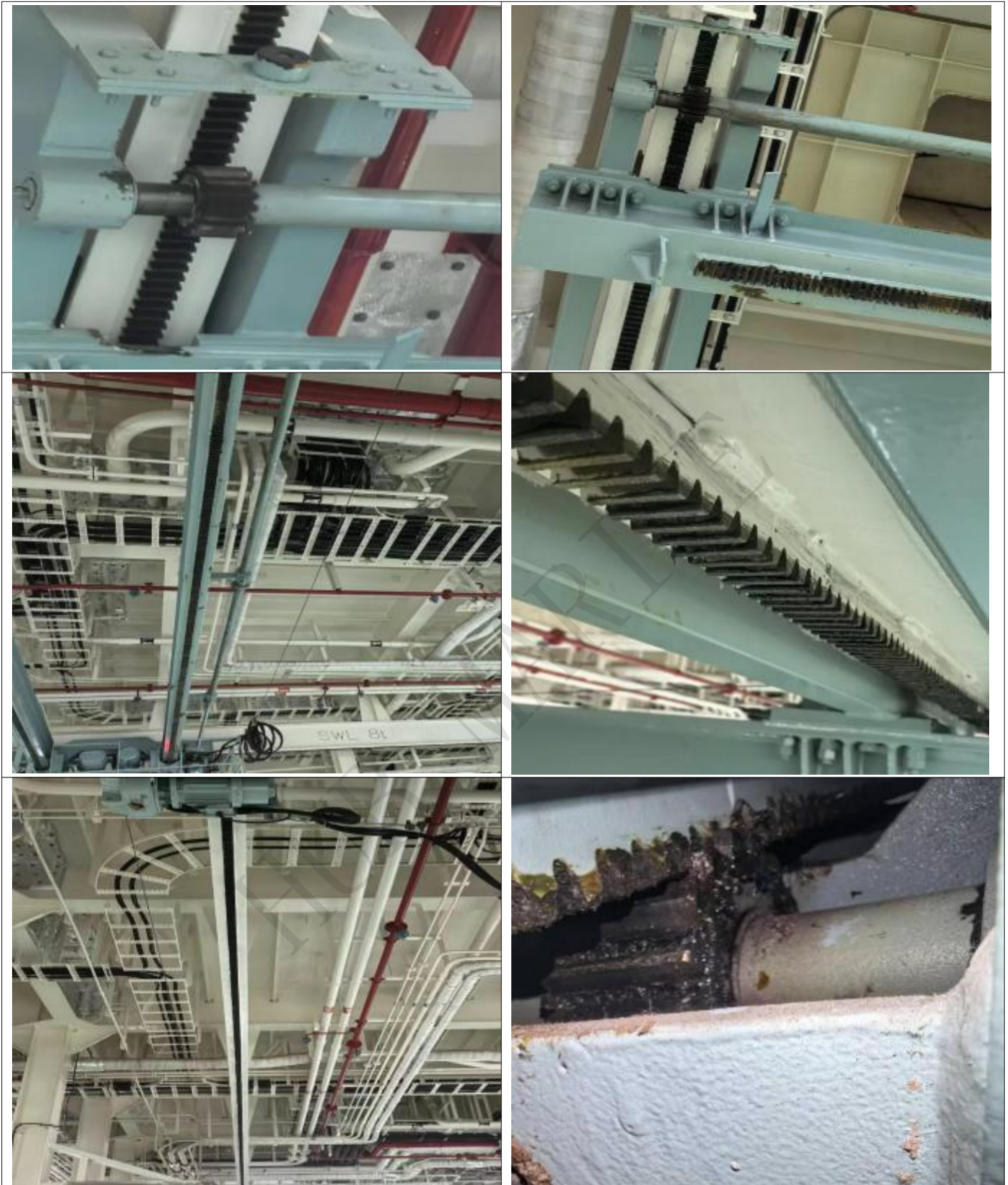
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Girder and saddle structure



Hoisting device







Traversing device



Limit switch



Others



HUB MARINE SHANGHAI LTD