



Incident Reports Details

Vessel : Asphalt Teranga	Defect ID : 149	NCR # : 16/2023	Is NCR ? : Yes
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Defect Details

We have issue with HT Water pressure lost of Main Engine. During investigation we have found the attach pump got failure. Dismantle the pump for inspection and found the pump drive gear shaft worn out and gear got damaged. After open the crankcase inspection door, found water leaking from top of HT pump drive gear. Remove the blank and found very big hole on HT manifold.

Requisition Code :

Categories

Primary :	Incident	Inspector - Internal :		Vessel Dept :	Engine
Secondary :	Other	Inspector External :		Office Dept :	Technical
		Inspection Date :			

Applicable Dates

Date Raised : 31-Jul-2023	ETC : 03-Aug-2023	Date Completed : 01-Aug-2023
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Other Details

Priority : Normal	Assigned By : Vessel	Verified By : Nawin Khaware
Display in Daily Meeting? : No	SFI :	Verified On : 02/Aug/2023

Causes

Mechanical Failure - Equipment breakdown - HT pump drive shaft and gear damaged

Corrective Action

Immediate action:

1. Reported to office & all relevant parties.
2. Notification made to nearest port control & VTS.
3. Procedure followed for NUC (Not under command) as per ROR.

Planned action:

1. In coordination with office, Commenced preparing Towage operation to the port of Malaga.
2. Continuous monitoring of Set & drift and prepare the vessel for emergency anchoring.
3. To Open up Pump cover for further inspection and to establish the actual cause of damage.
4. Service Technician to be arranged for carrying out required repair.

Preventive Action

1. Increasing safety margin for inspection – PMS routines for H/T cooling water system has been reduced from 12000 hours to 9000 hours to ensure required maintenance of cooling water pump has been carried out well before the recommended period of 12000 hours as advised by the manufacturer.
2. Routine maintenance of Cooling water system to be performed regularly under the strict supervision of C/E, Any abnormality identified during the course of inspection must be attended with great care.
3. Incident reports & learnings must be shared with the fleet vessels.

CONTRIBUTING FACTORS

Descriptions

Machinery / Equipment Damage

**Root Causes- Job Factor**

Excessive Wear and Tear

**Root Causes- Management Factors**

PMS Issue

**Direct Causes- Unsafe Conditions**

Defective Equipment, Machinery or Tools

**Direct Causes- Unsafe Acts**

Incorrect Use of Equipment or Machinery

**Follow Up**

On	By	Follow Up	
02/Aug/2023	Nawin Khaware	Repairs has been completed on 28th July/ and so finally she sailed out on 28th July/2300 LT. All system found running satisfactorily hence this incident could be considered as closed out now.	
02/Aug/2023	Nawin Khaware	ETC has been changed from "31 Jul 2023" to "03 Aug 2023".	

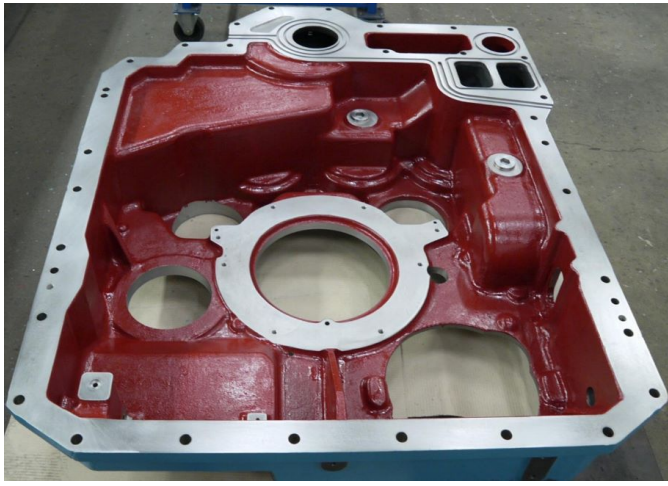
**Before & After Pictures**

Before	After
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**Notification**

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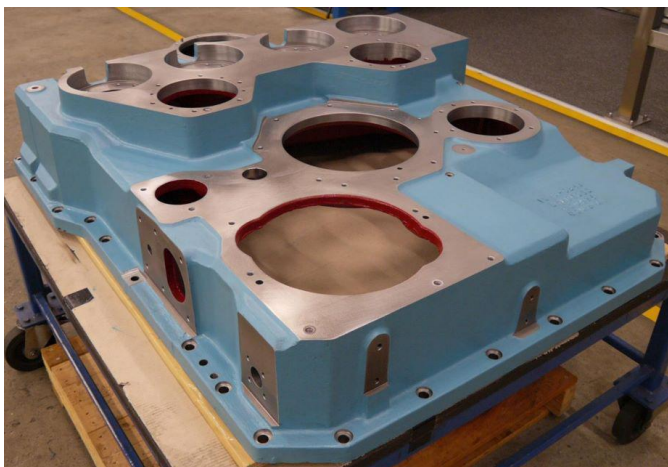
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# SURVEY ENDORSEMENT SHEET

File No. 2023/XA/01/1115 Ship's Name ASPHALT TERANGA  
 Flag Panama IMO No. 9263942 RINA No. 103100  
 Job No. 8 First Date of survey 20 Jul 2023  
 Place of Survey Malaga Last Date of survey 28 Jul 2023

Date of issue 28.Jul.2023 19:09 UTC+2  
 The surveys detailed below have been carried out. It is recommended to the Society that the Ship's records be updated as follows.  
**STATUTORY SURVEY ENDORSEMENT SHEET**

**SURVEYS**  
-- None --


**CERTIFICATES**  
-- None --

**CONDITIONS**

CODE	ACTION
F.0.1.B	Noted/not dealt with

RINA SERVICES S.p.A.  
 SIGNED  
 Signed by Toubes Tere Jesus on 28 Jul 2023

**Notification**

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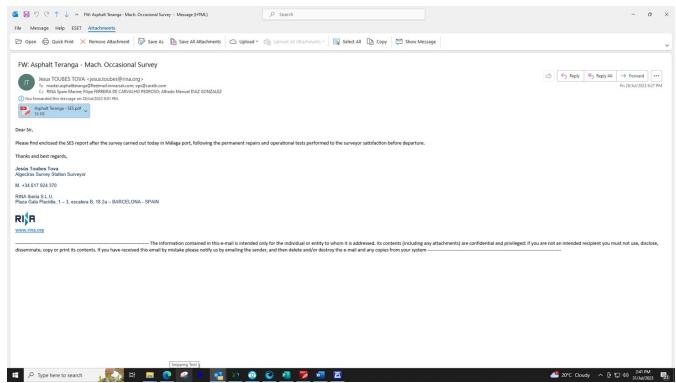
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Date: 13.07.2023  
 Approved By: [Signature]  
 Rev: 02

**ECR 14.0 - RISK ASSESSMENT FORM**

RA No: EM 002023 Description of Task: MAIN ENGINE PUMP COVER ASSEMBLY REMOVE Date: 13.07.2023

No.	Hazards	Existing Measures / Safeguards in Place	Additional Measures to Mitigate Risk
1	Falling/Slipping	Use proper PPE	Area to be off free
2	Insufficient man power	Enough man power to carry out the job	
3	Tool/Equipment not checked	All tools/Equipment checked prior the job by the competent personnel	Use proper tools/Equipment
4	Cut/ Eye Injury	Wear proper PPE as per PPE Matrix	
5	Crew Fatigue	Drug & Alcohol Policy - Work Rest to be complied with	Crew & Officers will rest
6	Inadequate Illumination	Working area sufficiently illuminated	Portable extra hand lamps provided
7	Job order	Man at work and do not start powers placed Man engine panel and ECR	Man at work and do not start powers placed and inform ECR crew members and officer
8	Job Scope misunderstood	Job scope must be clearly discussed during tool box meeting	Specific job to be discussed clearly to assigned personnel on tool box meeting
9			
10			

Measure No.	Existing Measures				Additional Control Measures			
	Consequence (High/Low)	Probability (High/Low)	Initial Risk (Consequence/Probability)	Consequence (High/Low)	Probability (High/Low)	Residual Risk (Consequence/Probability)	Consequence (High/Low)	Probability (High/Low)
1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1

Remarks:

Note - If Control Measures are Insufficient to Mitigate Risk to Acceptable Level, The Task Must be Postponed or Cancelled & The Company to be Consulted.

RAMESH, DE, 13.07.2023  
 Ship: - Name, Rank, Date

Risk Assessment Approval:  Proceed  
 Not to Proceed

Note - This Approval is Subject to All the Above Conditions Being Maintained all Throughout Till Final Completion of Task.

Office: - Name, Rank, Date

To be completed as required & forwarded by E-Mail & filed as hard copy onboard in ECR 14.0 folder

**Notification**

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