



## Maritec Tanker Management

### Incident Reports Details

Ship File No : N/A  
Office File No : N/A  
Form No : N/A  
Issue : N/A  
Revision : N/A  
Rev Date : N/A

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

#### 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 |
|---------------------------|-------------------|------------------------------|

#### 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.

#### Applicable Tags

#### 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**

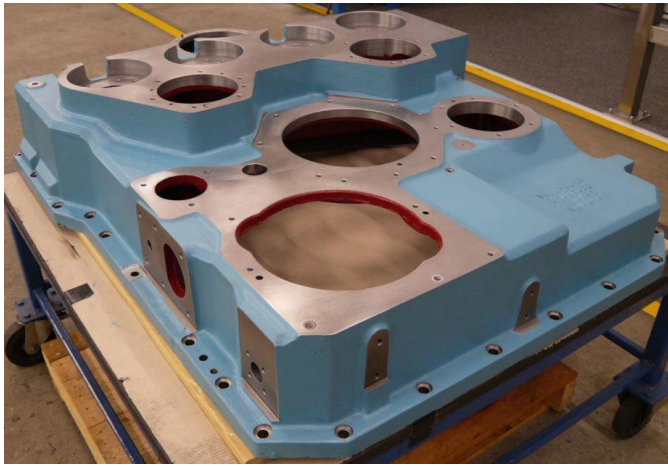
| On          | By            | Follow Up   |  |
|-------------|---------------|---|--|
| 02/Aug/2023 | Nawin Khaware | Repairs has been completed on 28th July/ and so finally she sailed out on 28th July/2300 LT. All system found running satisfactorily hence this incident could be considered as closed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

**Before & After Pictures**

| Before | After |
|--------|-------|
|--------|-------|







### 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.O.1.B | Noted/not dealt with |

RINA SERVICES S.p.A.  
SIGNED  
Signed by Toures Torre Jesus on 28 Jul 2023





# 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

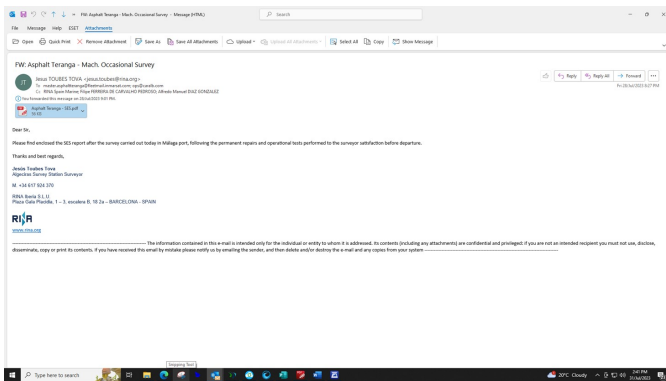
| CODE    | ACTION               |
|---------|----------------------|
| F.6.1.B | Noted/not dealt with |

RINA SERVICES S.p.A.

SIGNED

Signed by Toubes Tere Jesus on 28 Jul 2023

Page 2 of 2





ECR 14.0 - RISK ASSESSMENT FORM

RA No: ECR 14.0-2023 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-limits  |
| 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   | Cuts, 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 Main 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     |

| Measure No. | Existing Measures      |                        |                         |                        | Additional Control Measures |                          |                        |   |
|-------------|------------------------|------------------------|-------------------------|------------------------|-----------------------------|--------------------------|------------------------|---|
|             | Consequence (High/Low) | Probability (High/Low) | Initial Risk (High/Low) | Consequence (High/Low) | Probability (High/Low)      | Residual Risk (High/Low) | Consequence (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.

Officer: - Name, Rank, Date

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



ECR 14.0 - RISK ASSESSMENT FORM

RA No: ECR 14.0-2023 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-limits  |
| 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   | Cuts, 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 Main 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     |

| Measure No. | Existing Measures      |                        |                         |                        | Additional Control Measures |                          |                        |   |
|-------------|------------------------|------------------------|-------------------------|------------------------|-----------------------------|--------------------------|------------------------|---|
|             | Consequence (High/Low) | Probability (High/Low) | Initial Risk (High/Low) | Consequence (High/Low) | Probability (High/Low)      | Residual Risk (High/Low) | Consequence (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.

Officer: - Name, Rank, Date

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

