

## SURVEY RECORD

(Cargo Gear / ~~Derrick~~ / Cranes / ~~Ramps~~ / ~~Personal Lifts~~, ~~Cargo Lifts~~, etc.)\*

By: Panama Maritime Documentation Services inc.

| Name of Ship      | Class No.     | Record No. | Sheet No. |
|-------------------|---------------|------------|-----------|
| <b>BROTHER 36</b> | <b>082071</b> |            | <b>1</b>  |

The following items have been surveyed and found / dealt with as reported below:

**EXM:** Examined / Inspected and Result    ☒ **X:** Found in order    ☐ **D:** Dispensed with    ☐ **R:** Recommendation set up

### FOR DERRICKS

#### A. Annual Thorough Survey (for Derrick)

|       | Survey Item  | EXM                      |
|-------|--|--------------------------|
| A.1   | Structural members.....  | <input type="checkbox"/> |
| A.2   | Connection between the structural members and hull structure.....  | <input type="checkbox"/> |
| A.3   | Driving system.....  | <input type="checkbox"/> |
| A.4   | Safety device and protective device.....   | <input type="checkbox"/> |
| A.5   | Markings of the safe working load, etc., and the effectiveness of relevant certificates.....   | <input type="checkbox"/> |
| A.6   | Preservation of the instruction manual on board the ship.....  | <input type="checkbox"/> |
| A.7   | <b>Loose Gears</b>   |                          |
| A.7.1 | Visual examination of wire ropes for their full length.....  | <input type="checkbox"/> |
| A.7.2 | Visual examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, Cramps, rigging screw grabs, lifting magnets, spreaders, etc.....  | <input type="checkbox"/> |
| A.7.3 | Marking of the safe working load and the effectiveness of the relevant certificates.....   | <input type="checkbox"/> |
| A.8   | <b>Items to be examined where considered necessary by the surveyor</b>   |                          |
| A.8.1 | Plate thickness measurements, non destructive tests, Open-up examination of the topping brackets, goose neck brackets and derrick heel lugs.....               | <input type="checkbox"/> |
| A.8.2 | Open-up examination of the driving systems.....  | <input type="checkbox"/> |
| A.8.3 | Operation tests of safety devices and protective devices.....  | <input type="checkbox"/> |
| A.8.4 | Open-up examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, cramps, rigging screw grabs, lifting magnets, spreaders, etc..... | <input type="checkbox"/> |

\* Delete as appropriate

**B. Open-up examination at the 5<sup>th</sup> Annual Thorough Survey (topping brackets, goose neck brackets and derrick heel lugs)**

|     | Survey Item | EXM                      |
|-----|-------------|--------------------------|
| B.1 | _____       | <input type="checkbox"/> |
| B.2 | _____       | <input type="checkbox"/> |
| B.3 | _____       | <input type="checkbox"/> |
| B.4 | _____       | <input type="checkbox"/> |
| B.5 | _____       | <input type="checkbox"/> |
| B.6 | _____       | <input type="checkbox"/> |

**C. Load Test (for Derricks)**

|     |       | L/T   | POSTPONED |
|-----|-------|-------|-----------|
| C.1 | _____ | _____ | _____     |
| C.2 | _____ | _____ | _____     |
| C.3 | _____ | _____ | _____     |
| C.4 | _____ | _____ | _____     |
| C.5 | _____ | _____ | _____     |
| C.6 | _____ | _____ | _____     |

**D. Endorsement of Cargo Gear Booklets**

PMDS ..... ☐

## SURVEY RECORD

### FOR CRANES

#### E. Annual Thorough Survey (for Cranes)

|       | Survey Item  | EXM                                 |
|-------|--|-------------------------------------|
| E.1   | Structural members.....  | <input checked="" type="checkbox"/> |
| E.2   | For stationary cranes, the connection between the structural members and hull structure.....   | <input checked="" type="checkbox"/> |
| E.3   | For track-mounted cranes, rails, buffers and the connection between those member and hull structure.....   | <input type="checkbox"/> N/A        |
| E.4   | Installations of driving system.....   | <input checked="" type="checkbox"/> |
| E.5   | Safety devices and Protective devices.....   | <input checked="" type="checkbox"/> |
| E.6   | Markings of the safe working load, etc., and the effectiveness of the relevant certificates.....   | <input checked="" type="checkbox"/> |
| E.7   | Preservation of instruction manual on board the ship.....  | <input checked="" type="checkbox"/> |
| E.8   | <b>Loose Gears</b>   |                                     |
| E.8.1 | Visual examination of wire ropes for their full length.....  | <input checked="" type="checkbox"/> |
| E.8.2 | Visual examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, Cramps, rigging screw grabs, lifting magnets, spreaders, etc.....  | <input checked="" type="checkbox"/> |
| E.8.3 | Marking of the safe working load and the effectiveness of the relevant certificates.....   | <input checked="" type="checkbox"/> |
| E.9   | <b>Items to be examined where considered necessary by the surveyor</b>   |                                     |
| E.9.1 | Checking of plate thickness of the structural members, non-destructive testing and open-up examinations of the bearings.....                                   | <input checked="" type="checkbox"/> |
| E.9.2 | Inside of the posts, their legs and stiffeners of cranes.....  | <input checked="" type="checkbox"/> |
| E.9.3 | Open-up examinations of the driving gears.....   | <input checked="" type="checkbox"/> |
| E.9.4 | Operation tests of the safety devices and protective devices.....  | <input checked="" type="checkbox"/> |
| E.9.5 | Open-up examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, cramps, rigging screw grabs, lifting magnets, spreaders, etc..... | <input checked="" type="checkbox"/> |

#### F. Load Test (for Cranes)

|     | L/T                         | POSTPONED          |
|-----|-----------------------------|--------------------|
| F.1 | <u>Cargo handling Crane</u> | <u>13 May 2025</u> |
| F.2 | _____                       | _____              |
| F.3 | _____                       | _____              |
| F.4 | _____                       | _____              |
| F.5 | _____                       | _____              |
| F.6 | _____                       | _____              |

#### G. Endorsement of Cargo Gear Booklets

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**SURVEY RECORD****FOR CARGO RAMPS****H. Annual Thorough Survey (for Cargo Ramps)**

|        | <b>Survey Item</b>   | <b>EXM</b>               |
|--------|--|--------------------------|
| H.1    | Structural members.....  | <input type="checkbox"/> |
| H.2    | Construction between the structural members and hull structure.....  | <input type="checkbox"/> |
| H.3    | Connection between the stoppers and hull structure.....  | <input type="checkbox"/> |
| H.4    | Water-tight or weather-tight arrangements of cargo ramps that are used as water-tight or weather-tight doors when closed.....                                  | <input type="checkbox"/> |
| H.5    | The driving gears.....   | <input type="checkbox"/> |
| H.6    | Safety devices and protective devices.....   | <input type="checkbox"/> |
| H.7    | Marking of the safe working load and the effectiveness of the relevant certificates.....   | <input type="checkbox"/> |
| H.8    | Preservation of the instruction manual on board the ship.....  | <input type="checkbox"/> |
| H.9    | <b>Loose Gears</b>   |                          |
| H.9.1  | Visual examination of wire ropes for their full length.....  | <input type="checkbox"/> |
| H.9.2  | Visual examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, Cramps, rigging screw grabs, lifting magnets, spreaders, etc.....  | <input type="checkbox"/> |
| H.9.3  | Marking of the safe working load and the effectiveness of the relevant certificates.....   | <input type="checkbox"/> |
| H.10   | <b>Items to be examined where considered necessary by the surveyor</b>   |                          |
| H.10.1 | Plate thickness measurement, open-up-inspection of lifting pins, nondestructive testing, etc.....  | <input type="checkbox"/> |
| H.10.2 | Hose testing or airtight testing for cargo ramps that are used as water-tight or weather-tight doors when closed.....  | <input type="checkbox"/> |
| H.10.3 | Open-up examinations of the driving gears.....   | <input type="checkbox"/> |
| H.10.4 | Operation tests of the safety devices and protective devices.....  | <input type="checkbox"/> |
| H.10.5 | Open-up examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, cramps, rigging screw grabs, lifting magnets, spreaders, etc..... | <input type="checkbox"/> |

**I. Load Test (for Cargo Ramps)**

|     | <b>L/T</b>               | <b>POSTPONED</b>         |
|-----|--------------------------|--------------------------|
| I.1 | <input type="checkbox"/> | <input type="checkbox"/> |
| I.2 | <input type="checkbox"/> | <input type="checkbox"/> |
| I.3 | <input type="checkbox"/> | <input type="checkbox"/> |
| I.4 | <input type="checkbox"/> | <input type="checkbox"/> |
| I.5 | <input type="checkbox"/> | <input type="checkbox"/> |
| I.6 | <input type="checkbox"/> | <input type="checkbox"/> |

**J. Endorsement of Cargo Gear Booklets**

PMDS ..... ☐

## SURVEY RECORD

### FOR CARGO LIFTS, PERSONAL LIFTS, ETC.

#### K. Annual Thorough Survey (for Cargo Lifts, Personal Lifts, etc.)

|       | Survey Item  | EXM                      |
|-------|--|--------------------------|
| K.1   | Structural members.....  | <input type="checkbox"/> |
| K.2   | Construction between the holding parts of cargo lifts and hull structure.....  | <input type="checkbox"/> |
| K.3   | Connection between the lifting / lowering devices of cargo lifts and hull structure.....   | <input type="checkbox"/> |
| K.4   | Driving gears.....   | <input type="checkbox"/> |
| K.5   | Safety devices and protective devices.....   | <input type="checkbox"/> |
| K.6   | Marking of the safe working load and the effectiveness of the relevant certificates.....   | <input type="checkbox"/> |
| K.7   | Preservation of the instruction manual on board the ship.....  | <input type="checkbox"/> |
| K.8   | <b>Loose Gears</b>   |                          |
| K.8.1 | Visual examination of wire ropes for their full length.....  | <input type="checkbox"/> |
| K.8.2 | Visual examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, Cramps, rigging screw grabs, lifting magnets, spreaders, etc.....  | <input type="checkbox"/> |
| K.8.3 | Marking of the safe working load and the effectiveness of the relevant certificates.....   | <input type="checkbox"/> |
| K.9   | <b>Items to be examined where considered necessary by the surveyor</b>   |                          |
| K.9.1 | Plate thickness measurement, open-up-inspection of lifting pins, nondestructive testing, etc.....  | <input type="checkbox"/> |
| K.9.2 | Open-up examination of the driving gears.....  | <input type="checkbox"/> |
| K.9.3 | Operation tests of safety devices and protective devices.....  | <input type="checkbox"/> |
| K.9.4 | Open-up examination of cargo blocks, chains, rings, hooks, shackles, swivels, lifting beams, cramps, rigging screw grabs, lifting magnets, spreaders, etc..... | <input type="checkbox"/> |

#### L. Load Test (for Cargo Lifts, Personal Lifts, etc.)

|     | L/T                      | POSTPONED                |
|-----|--------------------------|--------------------------|
| L.1 | <input type="checkbox"/> | <input type="checkbox"/> |
| L.2 | <input type="checkbox"/> | <input type="checkbox"/> |
| L.3 | <input type="checkbox"/> | <input type="checkbox"/> |
| L.4 | <input type="checkbox"/> | <input type="checkbox"/> |
| L.5 | <input type="checkbox"/> | <input type="checkbox"/> |
| L.6 | <input type="checkbox"/> | <input type="checkbox"/> |

#### M. Endorsement of Cargo Gear Booklets

PMDS ..... ☐