

## 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.
BROTHER 36	082071		1

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	_____	_____
B.2	_____	_____
B.3	_____	_____
B.4	_____	_____
B.5	_____	_____
B.6	_____	_____

**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"/> X
E.2	For stationary cranes, the connection between the structural members and hull structure.....	<input checked="" type="checkbox"/> X
E.3	For track-mounted cranes, rails, buffers and the connection between those member and hull structure.....	N/A
E.4	Installations of driving system.....	<input checked="" type="checkbox"/> X
E.5	Safety devices and Protective devices.....	<input checked="" type="checkbox"/> X
E.6	Markings of the safe working load, etc., and the effectiveness of the relevant certificates.....	<input checked="" type="checkbox"/> X
E.7	Preservation of instruction manual on board the ship.....	<input checked="" type="checkbox"/> X
E.8	<b>Loose Gears</b>	
E.8.1	Visual examination of wire ropes for their full length.....	<input checked="" type="checkbox"/> X
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"/> X
E.8.3	Marking of the safe working load and the effectiveness of the relevant certificates.....	<input checked="" type="checkbox"/> X
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"/> X
E.9.2	Inside of the posts, their legs and stiffeners of cranes.....	<input checked="" type="checkbox"/> X
E.9.3	Open-up examinations of the driving gears.....	<input checked="" type="checkbox"/> X
E.9.4	Operation tests of the safety devices and protective devices.....	<input checked="" type="checkbox"/> X
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"/> X

#### 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

PMDS .....	<input checked="" type="checkbox"/> X
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## SURVEY RECORD

### FOR CARGO RAMPS

#### H. Annual Thorough Survey (for Cargo Ramps)

	Survey Item	EXM
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)

	L/T	POSTPONED
I.1	<hr/>	<hr/>
I.2	<hr/>	<hr/>
I.3	<hr/>	<hr/>
I.4	<hr/>	<hr/>
I.5	<hr/>	<hr/>
I.6	<hr/>	<hr/>

#### 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"/>
<b>K.8</b>	<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"/>
<b>K.9</b>	<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	<hr/>	<hr/>
L.2	<hr/>	<hr/>
L.3	<hr/>	<hr/>
L.4	<hr/>	<hr/>
L.5	<hr/>	<hr/>
L.6	<hr/>	<hr/>

#### M. Endorsement of Cargo Gear Booklets

PMDS .....