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## Service Report

To MCG Korea

Copies SDO, Christian Loska

From Christian Loska

Date 18.6.2016

Service  Guarantee  Inspection  Installation  Others

Visit description Standby for troubleshooting on crane 1-3 during cargo operation.

Vessel	Keoyang Majesty	Customer	Hanjin Shipping
IMO number	9131072	SAP Order no	121360982
Report by	Christian Loska	Ship representative	C/O, C/I, Captain
Date of visit start	11.6.2016	Place of service	Turkey
end	21.6.2016		

Equipment type	Serial no / dwg. no	Operating duty and climate	Tot. op. hrs / op. cycles
#1 K17,228-4-4	62503856	Bulk Cargo	3787 hrs.
#2 K17,228-4-4	62503857	Bulk Cargo	4399 hrs.
#3 K17,228-4-4	62503858	Bulk Cargo	4456 hrs.

### Terms and conditions

Unless the Customer and Cargotec Marine have agreed otherwise in writing, Orgalime General Conditions for the Supply of Mechanical, Electrical and Electronic Products - S 2000 shall be applied to the services referred hereto.

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Lloyd's Register Quality Assurance certifies that the Quality Management System for Cargotec Corporation's business area MacGregor is ISO 9001 compliant.

**11.6.2016 Saturday**

Travelled to Turkey.

**12.6.2016 Sunday**

Waiting at hotel for vs1.

**13.6.2016 Monday**

At noon time went on board.

Make a small visual inspection in all three cranes before the stevedores start with discharging.

**Found all Cranes in a bad condition!**

**All cranes needs a general inspection before the vessel goes to the dry dock.**

**Crane no. 1**

- Oil leaking from the brake unit ventilation nipple luffing winch (pressure unit, motor seal leaking)
- Oil leaking from the brake units of the hoisting closing and holding winch (pressure unit, motor seal)
- Big valve block with the pressure switches 1313, 1383... is heavy leaking.
- Both slack wire rollers arms of the hoisting closing winch are twisted/bend.
- Controllers are not in the best condition.
- Gear inside the hoisting closing winch drum is leaking. C/O told me in 24 hours working, he have to fill one can of gear oil.

**Crane no. 2**

- Big valve block with the pressure switches 1313, 1383... is heavy leaking.
- Right side slack wire roller arm of the hoisting closing winch is twisted/bend.
- Controllers are not in the best condition.
- Found the hoisting closing wire on both sides of the winch not correctly fit to drum. Inform the C/O about the wires. Bring the wires with him back in the right way on the drum. Found on the right hoisting closing wire two dents. Inform the C/O that wire must be renewed. C/O says he change the wire after discharging because before was no time.

**Crane no. 3**

**Terms and conditions**

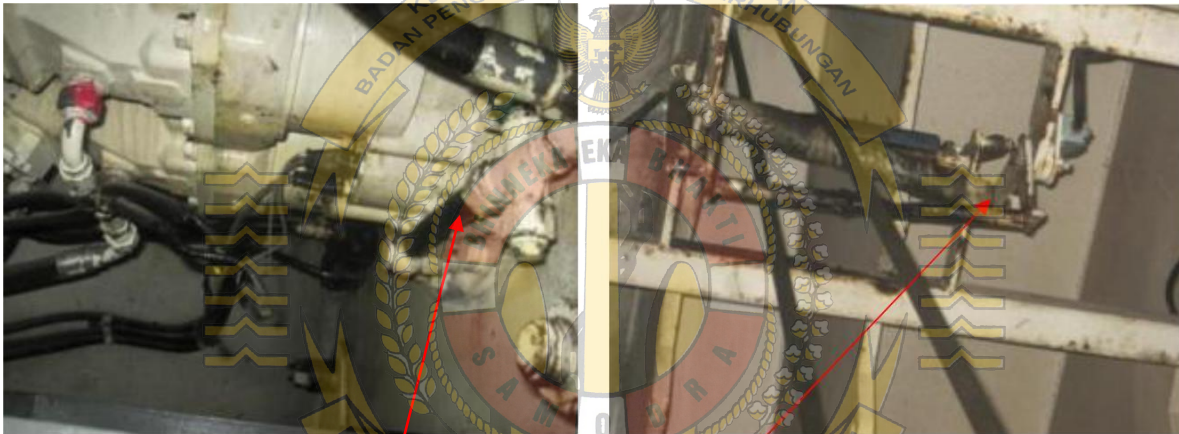
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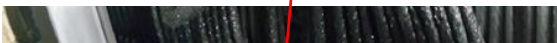
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- Hoisting winch is leaking from the ventilation nipples of the motor flanges. (Pressure units, motor seals)
- Luffing winch is minor leaking from the ventilation nipple of the brake unit. (Pressure unit, motor seal)
- Left slack wire roller arm of the hoisting closing winch is twisted/bend.
- Wiper blade is missing.
- Both controllers are in bad condition.
- All crane have much corrosion on the handrails and doors of the crane house tops.



Crane no. 1 hoisting winches leaking.

Twisted slack wire arm.



Crane 2 closing wire not right on drum



Crane 2 right closing wire damage

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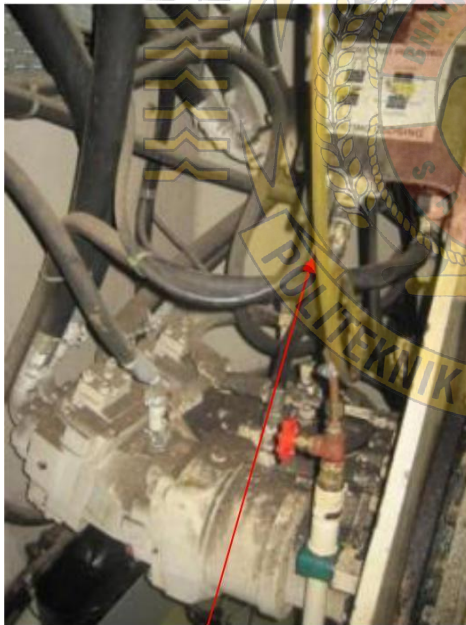
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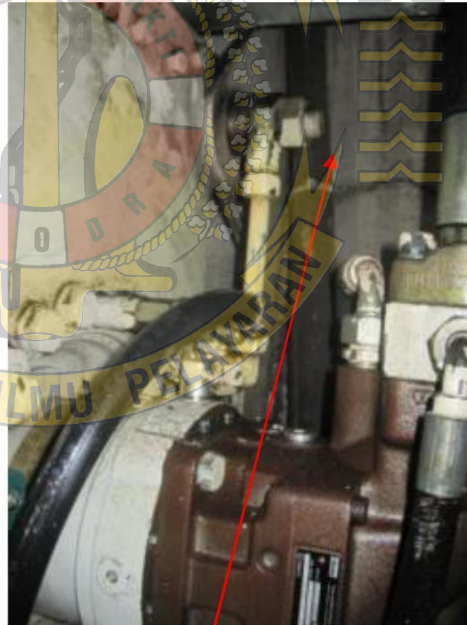
Leaking from vale block.



Controller



Salve made oil filling for closing gear.



Leaking from ventilation nipple.

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### **14.6.2016 Tuesday**

Stand by on board.

At the noon time crane no. 2 stops. Checked the gear oil cooling system, but all was working normal. Start the crane and all was working normal. We think that the stevedore was press with his arm the emergency stop in.

### **15.6.2016 Wednesday**

In the morning time the hoisting closing wire jump out of the big wire sheave on the jib top crane no.

2, Crew fix that. At after noon adjusted the grab closing and opening position new in crane no.

3 because it was not possible to lift the grab up.

At the night time crane no. 1 and 2 have problems. Went to the vessel and prepare a electrical troubleshooting with the C/I found in both cranes broken diodes on the rectifier plate. Change the diodes with spares from board, cranes was running normal. After the troubleshooting the stevedore informs me that crane no. 1 has problems with the grab. Went up in crane no. 1 and found the grab not right adjusted. After adjustment grab was opening and closing normal.

### **16.6.2016 Thursday**

Stand by on board.

In the morning time the rubber belt for the transport of the cargo was broken. Cargo operation stops. Crew is still in progress to fix the problem.

### **17.6.2016 Friday**

Stand by in the Hotel.

### **18.6.2016 Saturday**

During the night the rubber belt was repaired. Cargo operation continued.

Stand by on the Vessel.

In the morning time the wire connection between left closing wire and grab in crane no. 3 broke. The crew fix that. During the repair in the wire connection, i see that the right closing wire is bend and the left holding wire have some cracks.

### **19.6.2016 Sunday**

Stand by on board.

At noon time the grab wire in crane no 2 broke. Crew change both grab wires and the discharging can continue.

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Broken Grab wire in crane no. 2  
crane 3

broken points on the right closing wire

**20.6.2016 Monday**

Stand by on board.

**21.6.2016 Tuesday**

Cargo operation was finished during the night.  
Travelled back to Gibraltar.

**Required repairs**

**Crane no. 1**

1. Pressure unit and motor seal from the luffing winch has to be renewed.
2. Pressure units and motor seals from the hoisting losing and holding winch have to be renewed.

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3. Big Valve block has to be resealed.
4. Both slack wire arms from the hoisting closing winch has to be renewed.
5. Gear inside the hoisting closing winch has to be resealed.

### Crane no. 2

1. Big valve block has to be resealed.
2. Right side slack wire roller arm of the hoisting closing winch has to be renewed.
3. **Right side hoisting closing wire has to be changed as soon as possible.**

### Crane no. 3

1. Pressure units and motor seals of the hoisting closing and holding winch has to be renewed.
2. Pressure unit and motor seal of the luffing winch has to be renewed.
3. Wiper blade and wiper arm has to be replaced.
4. **Right side hoisting closing wire has to be changed as soon as possible.**
5. **Left side hoisting holding wire has to be changed as soon as possible.**

### Necessary spares

Description	Part no	Qty	Comments / Measurements / Drw no
Pressure unit luffing	875 13003-001	2	For crane 1+3
Motor seal kit luffing	489 4645-801	2	For crane 1+3
Pressure unit hoisting	875 13003-003	4	For crane 1+3 closing and holding winch
Motor seal kit hoisting	489 3706-801	4	For crane 1+3 closing and holding winch
Slack wire arm	288 0268-801	4	For crane 1+2+3
Wiper blade	6179 2153-700	1	For crane no. 3
Wiper arm	6179 2152-500	1	For crane no. 3
Shaft sealing	875 13007-009	1	For crane no. 1 closing gear
Washer	87513014-003	1	For crane no. 1 closing gear
Some o rings and seals		diff	For the valve blocks

## Mac GREGOR (DEU) GmbH Crane Service Hamburg

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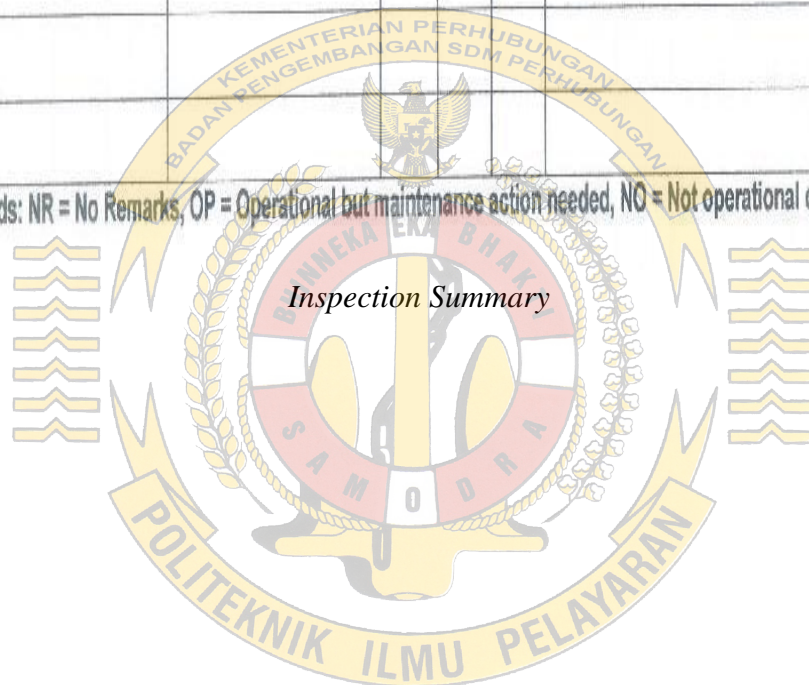
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**HIRB · KALMAR · MACGREGOR**

## Lampiran 2

Equipment type	Serial no / dwg. no	Status			Inspection Remarks and Recommendations
		NR	OP	NO	
Crane K17,228-4	62503856		X		Renew wires, stop leaking, cooler put in function...
Crane K17,228-4	62503857		X		Stop leaking, renewed pressure units, oil cooler...
Crane K17,228-4	62503858			X	Install gearbox, stop leaking, cooler put in function...

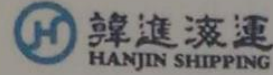
Legends: NR = No Remarks, OP = Operational but maintenance action needed, NO = Not operational or safe



*Inspection Summary*



# Lampiran 3



## Crane Daily Inspection Record MV. Keoyang Majesty

MONTH: February 2016

Daily Inspections

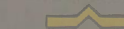
(Initial when performed)

Crane No. 3

INSPECTION AREA	DATE AND CONDITION						
	2/22 2016	2/23 2016	2/24 2016	2/25 2016	2/26 2016	2/29 2016	3/1 2016
Daily Check							
HYDRAULIC OIL TANK	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
SLEWING GEAR CASE	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
WINCHES	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
FILTER SERVICE INDICATOR	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
LIMIT SWITCHES	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
SLACK WIRE SWITCH	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD

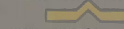
**Hydraulic oil tank**

- Check oil level



**Slewing gear case**

- Check oil level. See instruction, section 6.1. The oil quantity is marked on the name plate and in instruction "Technical Data", section 2.



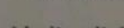
**Winches**

- Check oil level. See instruction, section 6.1. Oil quantity to be found on the name plate and in instruction "Technical Data", section 2.



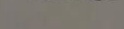
**Filter service indicator**

- Check filter service indicator
- If necessary change filter cartridges, see instruction "Filters", section 5.



**Limit switches; compare section 6.3 instruction for stop position**

- Testrun all functions and check that they are working properly.

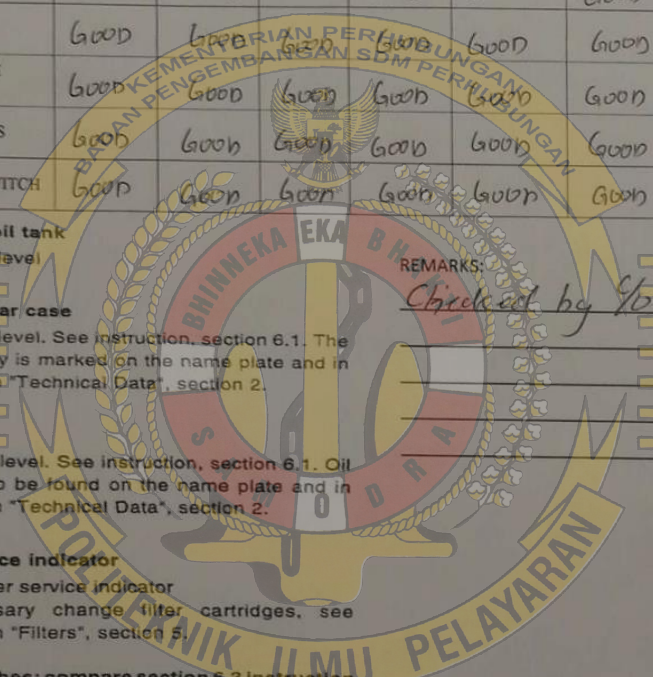


**Slack wire switch**

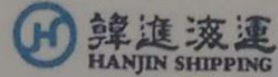
- Function test, see instruction, section 6.3.

REMARKS:

*Checked by 9/0 & 9/E*



# Lampiran 4



## Crane Weekly Inspection Record MV. Keoyang Majesty

MONTH February 2016

Date Completed: 2/26 2016 Inspected by: C/O Kim Dong Yung

Crane No. 3

WIRE	INSPECTION RESULTS			
	Satisfactory	Unsatisfactory	N/A	Comments
CGO HOISTING HOLDING WIRE (R)	✓			GOOD
CGO HOISTING HOLDING WIRE (L)	✓			GOOD
CGO HOISTING GRAB OPEN-CLOSE WIRE (R)	✓			GOOD
CGO HOISTING GRAB OPEN-CLOSE WIRE (L)	✓			GOOD
CGO HOISTING GRAB OPEN-CLOSE WIRE (R)	✓			GOOD
CGO HOISTING GRAB OPEN-CLOSE WIRE (L)	✓			GOOD
CGO HOISTING HOLDING WIRE (L)	✓			GOOD
CGO HOISTING HOLDING WIRE (R)	✓			GOOD
CGO LUFFING WIRE (R)	✓			GOOD
CGO LUFFING WIRE (L)	✓			GOOD

**Wire ropes, wire rope clamps, pears and shackles**

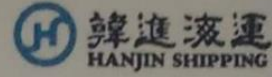
REMARKS:

All of Wire Greasing on 2/22 2016, 2/23 2016

- Inspect for wear. See instruction "Handling and checking steel wire ropes" under section 6.2.

- Wire ropes are inspected according to stipulations issued by Classification Associations and National Bodies.

# Lampiran 5

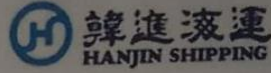


## Crane Monthly Inspection Record MV. Keoyang Majesty

MONTH February 2016  
 Date Completed: 2/28 2016 Inspected by: Kim Dong Yung & Cho Il Yong Crane No. 3

INSPECTION AREA	INSPECTION RESULTS			
	Satisfactory	Unsatisfactory	N/A	Comments
<b>SUPPORTING STRUCTURE</b>				
WELDS	✓			GOOD
BOLTS	✓			GOOD
<b>BRIDGE</b>				
RAILS & ALIGNMENT	✓			GOOD
TRUCKS & WHEELS	✓			GOOD
MOTOR & DRIVE TRAIN	✓			GOOD
BRAKES	✓			GOOD
STOPS & LIMIT CONTROLS	✓			GOOD
<b>TROLLEY</b>				
WHEELS	✓			GOOD
MOTOR & DRIVE TRAIN	✓			GOOD
BRAKES	✓			GOOD
STOPS & LIMIT CONTROLS	✓			GOOD
RAILS & ALIGNMENT	✓			GOOD
<b>HOIST</b>				
WIRE ROPE CONDITION	✓			GOOD
ROPE REEVING	✓			-
CHAIN CONDITION	✓			-
BRAKES & RATCHETS	✓			GOOD
EQUALIZER SHEAVES	✓			GOOD
HOIST LIMIT CONTROL	✓			GOOD
FUNCTIONAL OPERATION	✓			GOOD
<b>ELECTRICAL</b>				
CONTROL MARKINGS	✓			GOOD
CONTROL FUNCTIONS	✓			GOOD
WARNING ALARMS	✓			GOOD
POWER DISCONNECT	✓			GOOD
CONTROL PENDANTS	✓			GOOD
FESTOONS	✓			GOOD
<b>LOAD BLOCK</b>				
SHEAVES	✓			GOOD
PINS	✓			RENEWED 2/11 2016
SWIVEL	✓			GOOD
HOOK	✓			GOOD

# Lampiran 6



## Crane Annually Inspection Record MV. Keoyang Majesty

DATE: 12/30 2015

Inspected by: Yo KIM Dong Yung

Crane No. 3

INSPECTION AREA	INSPECTION RESULTS			
	Satisfactory	Unsatisfactory	N/A	Comments
<b>Cargo Gear</b>				
SLEWING GEAR CASE	✓			GOOD
WINCHES	✓			RENEWED 10/29 2015
AIR BREATHER	✓			GOOD
HYDRAULIC OIL TANK	✓			GOOD
HYDRAULIC ACCUMULATORS	✓			GOOD

**Slewing gear case**

- Change oil. See instruction, section 6.1.

REMARKS:

RENEWED WINCHES OIL  
ON OCT, 29<sup>TH</sup> 2015

**Winches**

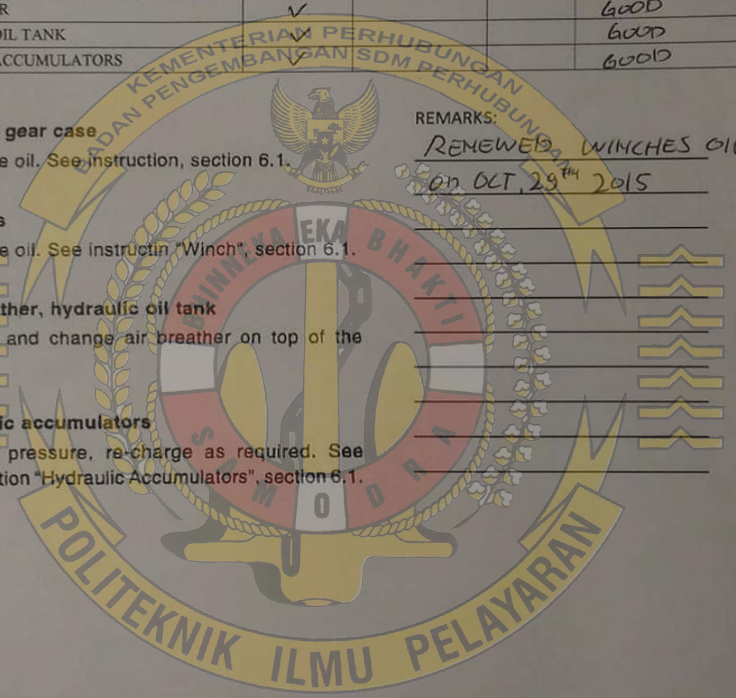
- Change oil. See instruction "Winch", section 6.1.

**Air breather, hydraulic oil tank**

- Check and change air breather on top of the tank.

**Hydraulic accumulators**

- Check pressure, re-charge as required. See instruction "Hydraulic Accumulators", section 6.1.



# Lampiran 7

## CHECKLIST CRANE INSPECTION

MV. Keoyang Majesty

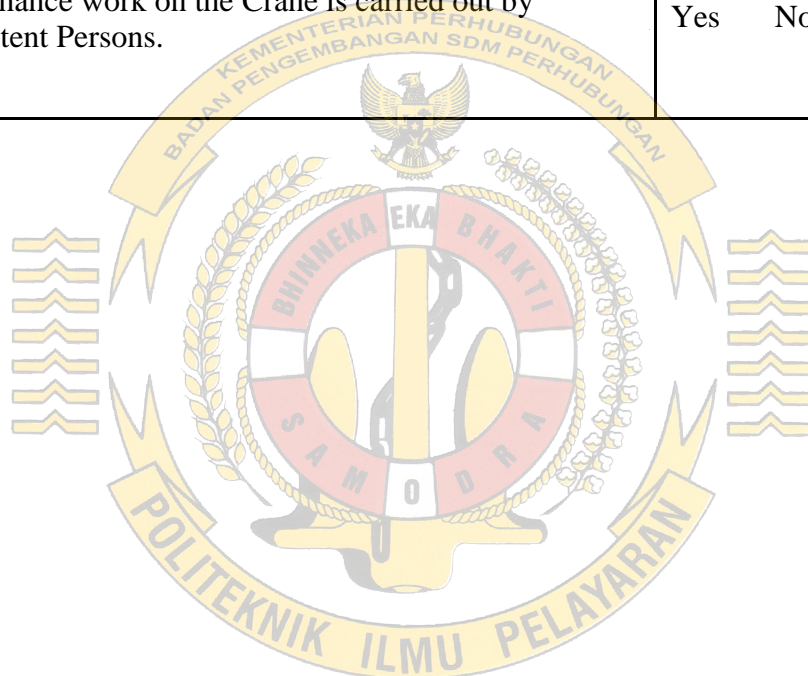
Date:

Crane No.1/2/3

S/N	Items	Yes	No	Remarks
<b>A. Tower Crane Approved For Use</b>				
1	Crane is approved by MOM.	Yes	No	
2	Crane has a valid Lifting Machine (LM) certificate (issued less than 12 months ago).	Yes	No	
<b>B. General Requirements</b>				
3	Crane is provided with markings of the Safe Working Load, serial number and LM number.	Yes	No	
4	Safe access and egress are provided to the crane operator.	Yes	No	
5	A load capacity chart is displayed in the operator cabin.	Yes	No	
6	Operator crane cabin is provided with a locking mechanism so as to prevent unauthorised entry.	Yes	No	
7	A safety bar is fitted across the operator's cabin window where there is likelihood of the operator falling through it.	Yes	No	
8	Fire extinguisher is fit for use and provided in the operator cabin.	Yes	No	
9	An updated Operation and Maintenance log book is available in the operator cabin.	Yes	No	
10	Manufacturer Operating Manual and Maintenance Manual are made available.	Yes	No	
11	Crane is adequately grounded or protected against lightning.	Yes	No	
<b>C. Other visual checks</b>				
11	Load charts and other symbols are available and visible.	Yes	No	
12	Hydraulic fluid level is sufficient.	Yes	No	
13	Slewing oil level is sufficient.	Yes	No	
14	All mounting bolts are in good condition.	Yes	No	
15	Hydraulic system is free of leaks.	Yes	No	
16	Boom sections are free of cracks or dents.	Yes	No	

17	Main and auxiliary wire ropes are well lubricated and that there are no visible defects such as broken wires, kinks, excess wear, crushing etc.	Yes	No	
18	Winches, pulleys and wire ropes are in good working condition.	Yes	No	
19	Crane hook is provided with a safety catch to prevent displacement of the sling or load from the hook.	Yes	No	
<b>D. Safety and Operational Devices</b>				
20	Load radius indicator with warning alarm is installed.	Yes	No	
21	Jib angle indicator is provided (For Luffing JibCrane).	Yes	No	
22	Emergency stop button, which will terminate the operation of the crane engine, is installed in the operator cabin and correctly identified.	Yes	No	
23	Effective braking mechanisms for the following is maintained:	Yes	No	
	(a) Hoisting	Yes	No	
	(b) Derricking	Yes	No	
	(c) Slewing	Yes	No	
	(d) Trolley Travelling	Yes	No	
24	Hoisting Limiter to prevent over-hoisting of the hook block is functional.	Yes	No	
25	Trolley Travelling limiter to prevent over-travelling of trolley is functional.	Yes	No	
26	Limit switches to prevent over-derricking and over-lowering of jib (For Luffing Jib Tower Crane) is functional.	Yes	No	
27	Slewing limiter to restrict slewing of crane is functional.	Yes	No	
28	Overload Limiter to prevent overloading of crane is functional.	Yes	No	
29	Load Moment Limiter to prevent over-turning moment is functional.	Yes	No	
30	Anti-collision devices are tested to stop the crane's operation such that the crane-to-crane interference must be maintained at not less than 3 metres.	Yes	No	
31	Wind anemometer is installed and is in good working condition.	Yes	No	
32	Adequate aircraft warning lights and/or chequered white and	Yes	No	

	red flags are provided.		
33	Controller in good condition	Yes	No
34	Break Unit in good condition	Yes	No
<b>E. Maintenance</b>			
35	Data logger for recording key operating parameters of the crane is functional.	Yes	No
36	Crane has a regular maintenance programme that is in accordance with manufacturer's specifications.	Yes	No
37	Maintenance work on the Crane is carried out by Competent Persons.	Yes	No



CARGO CRANE WIRE 교체 / 보유 현황

1. CARGO CRANE WIRE 교체 현황

EQUIPMENT	DIAMETER	LENGTH		COMPOSITION				RENEWAL DATE	TURN OVER DATE	RELATED CERT. NO	REMARKS
		mm	meter	character	strands	wire	core				
NO.1 DECK CRANE	S	22mm	140M	with socket				21/06/2013	N/A	EXP1201184	2016년 7월 29일
	Z	22mm	140M	with socket				15/10/2014	N/A	340591012	
	S	22mm	140M	with socket				05/08/2015	N/A	LA 4/ 166594	
	Z	22mm	140M	with socket				05/08/2015	N/A	LA4/166596	
NO.2 DECK CRANE		28mm	151.5M	with socket				01/05/2014	N/A	LA 4/ 11-00204	
	S	22mm	140M	with socket				02/04/2012	N/A	SE 01/ 340534630	
	Z	22mm	140M	with socket				15/08/2013	N/A	340591012	
	S	22mm	140M	with socket				07/05/2016	N/A	166597	
NO.3 DECK CRANE	Z	22mm	140M	with socket				2016.07.07	N/A	166593	
		28mm	151.5M	with socket				01/05/2014	N/A	LA 4/ 11-00204	
	S	22mm	140M	with socket				10/07/2016	N/A	175399	
	Z	22mm	140M	with socket				10/07/2016	N/A	175398	
GRAB WIRE	S	22mm	140M	with socket				2015.05.05	N/A	166597	
	Z	22mm	140M	with socket				10/07/2016	N/A	175398	
		28mm	151.5M	with socket				01/05/2014	N/A	LA 4/ 11-00204	
	S	22mm	16	with socket				25/03/2016	N/A	172532	Original 17.45mtrs
GRAB NO.1	Z	22mm	16	with socket				09/07/2016	N/A	172530	Original cutting to 16mtr for balance with L/wire
	S	22mm	16	with socket				07/01/2016	N/A	167409	Original 17.45mtrs
	Z	22mm	16	with socket				14/06/2016	N/A	167410	Original 17.45mtrs
GRAB NO.2	S	22mm	16	with socket				10/07/2016	N/A	175400	Original cutting to 16mtr
	Z	22mm	16	with socket				10/07/2016	N/A	176501	Original cutting to 16mtr



2. CARGO CRANE WIRE SPARE 보유 현황

EQUIPMENT	DIAMETER		LENGTH meter	character	COMPOSITION			RECEIVED DATE	보유량	RELATED CERT. NO	보관장소
	mm	inch			strands	wire	core				
GRAB WIRE	22mm		17.45M	with socket				06/10/2015	1	172532	NO.1 CRANE STORE(S)
								2016.03.26	1	175400	
Z-TYPE(RIGHT)	22mm		17.45M	with socket				06/10/2015	1	172530	NO.1 CRANE STORE(S)
								2016.03.26	1	176501	
S-TYPE	22mm		140M	with socket				19/06/2015	1	167596	
								19/06/2015	1	167597	
								2016.03.26	3	175399	
Z-TYPE	22mm		140M	with socket				19/06/2015	1	167599	
								19/06/2015	1	167598	
								2016.03.26	4	175398	#1Crane Store(St/bc)
LUFFING WIRE	28mm		151.5M	with socket			Unknown	1			
WIRE SOCKET											NO.1 CRANE STORE(STBD)
GRAB WIRE LINK SHACKLE									5		MOORING DECK STORE

## Lampiran 9

### HASIL WAWANCARA

Nama : Kim Youngho  
Jabatan : *Chief Officer*  
Kapal : MV. Keoyang Majesty  
Tempat : *Deck Office*  
Waktu : 09.00-09.30, 21 Mei 2016

Hasil wawancara yang dilakukan penulis dengan Chief Officer kapal MV. Keoyang Majesty pada saat melakukan prala (praktek laut) adalah sebagai berikut :

1. Apakah di kapal anda selalu membuat perencanaan perawatan alat bongkar muat ?

Jawab : Sebenarnya perencanaan perawatan peralatan bongkar muat sudah ada pada ship's maintenance plans perusahaan. Tetapi sebagai Chief Officer juga harus membuat perencanaan dalam merawat peralatan bongkar muat agar kita mempunyai pandangan terhadap apa yang akan dilakukan sehingga semua kegiatan bongkar muat akan berjalan lancar sesuai dengan yang diinginkan.

2. Apakah rencana yang anda buat dalam perencanaan perawatan alat bongkar muat selalu berjalan lancar ?

Jawab : Rencana yang kami buat pada umumnya tidak berjalan lancar adanya hambatan-hambatan yang terjadi, misalnya terlambatnya pengiriman spare part, biasanya pengirim spare part dilakukan apabila kapal akan di audit dan setelahnya terjadi kerusakan peralatan diatas kapal. Saya mengakui kesibukan yang lain menyebabkan perawatan tidak berjalan dengan baik. Saat perjalanan menuju pelabuhan muat lebih saya priotitaskan pada kegiatan hold cleaning (cuci palka), deck cleaning (cuci dek) dan perawatan pada akomodasi. Adanya pekerjaan lain yang banyak memakan

waktu seperti saat kegiatan hatch cleaning karena tidak bisa digunakannya bilge pump mengakibatkan pekerjaan menjadi lama.

3. Apakah pelaksanaan perawatan alat bongkar muat di kapal ini sudah dilaksanakan sepenuhnya dengan baik sesuai yang telah di rencanakan ?

Jawab : Pada dasarnya pelaksanaan perawatan alat bongkar muat masih kurang begitu optimal, ada beberapa faktor penyebabnya antara lain masih rendahnya pemahaman dan rendahnya kedisiplinan para *crew* dalam mentaati peraturan dan prosedurnya dalam melakukan perawatan alat bongkar muat serta ketidak teraturan dalam melakukan pengecekan alat-alat tersebut.

4. Apakah anda sering memberikan pengarahan terhadap *crew* kapal ?

Jawab : Saya sering memberikan pengarahan-pengarahan kepada *crew* kapal agar kegiatan yang akan dilaksanakan dapat berjalan sesuai yang direncanakan. Dalam *safety meeting* saya sering memberikan penjelasan-penjelasan kepada semua *crew* kapal agar mereka mengerti pentingnya perawatan alat bongkar muat dan tahu bagaimana pelaksanaannya.

5. Apakah semua *deck crew* sudah mengetahui prosedur-prosedur dalam melakukan perawatan alat bongkar muat ?

Jawab : Semua personil sudah memahami prosedurnya, hal ini sudah sering saya tekankan kepada *deck crew* karena pelaksanaan perawatan alat bongkar muat yang benar dan teratur adalah salah satu cara untuk memperlancar proses bongkar muat.

Nama : Ambib Welmer Salina

Jabatan : *Boatswain*

Kapal : MV. Keoyang Majesty

Tempat : *Tally Room*

Waktu : 14.00-14.30, 21 Mei 2016

Selain hasil wawancara yang dilakukan penulis dengan *Chief Officer*, penulis juga melakukan wawancara dengan *Boatswain* adalah sebagai berikut :

1. Apakah kegiatan perawatan bongkar muat yang dilakukan oleh *crew* kapal MV. Keoyang Majesty berjalan dengan baik ?

Jawab : Kegiatan ini tidak berjalan dengan baik, keadaan kapal ini sudah tua, karat ada dimana-mana, seperti untuk melakukan *greasing* pada *wire* sukar dilaksanakan karena berbahaya untuk berdiri diatas *crane* dengan keadaan *ralling* yang sudah berkarat.

2. Menurut Anda apa yang harus dilakukan agar rutinitas perawatan di atas kapal dapat berjalan dengan baik ?

Jawab : Kapal ini butuh *docking* secara rutin, adanya pemenuhan spare part yang tepat dan berkualitas baik. Terkadang *Chief Officer* kurang dalam mengawasi *crew* dalam bekerja, sehingga mereka jadi seenaknya dalam bekerja. Maka dari itu *Chief Officer* sebaiknya melakukan pengawasan langsung di lapangan dan menegur langsung *crew* yang bekerja seenaknya.

Lampiran 10



*Feeder Conveyor Belt Damage*



*Hopper Conveyor Damage*



*Roller Conveyor Damage*



*Wire Rope Broken*

## SHIP'S PARTICULARS

**NAME OF VESSEL** : M/V KEOYANG MAJESTY  
**OFFICIAL NUMBER** : SGR-121502      IMO No. : 9131072  
**CALL SIGN** : DSAJ7      MMSI : 440272000      Email Address : [hjmi@hanjin.sea-one.com](mailto:hjmi@hanjin.sea-one.com)  
 INMARSAT-C : TLX : 444027210      444027211  
 INMARSAT-FB : TEL : 870-773110364      FAX: 870-78311084 4  
 CITA. TEL : 870-776445448  
  
**NATIONALITY** : REPUBLIC OF KOREA  
**PORT REGISTRY** : SEOGWIPO  
**CLASS** : KOREAN REGISTER OF SHIPPING  
**KIND OF VESSEL** : OTHER CARGO SHIP ( : WOODCHIP CARRIER )  
**OWNER** : HANJIN SHIPPING CO., LTD  
 (Yeouido-dong), 25, Gukjegeumyung-ro2-gil, Yeongdeungpo-gu,  
 Seoul, Korea.

**OPERATOR** : HANJIN SHIPPING CO., LTD  
 (Yeouido-dong), 25, Gukjegeumyung-ro2-gil, Yeongdeungpo-gu,  
 Seoul, Korea.

**PLACE OF BUILDING** : HANJIN HEAVY INDUSTRIES CO., LTD., BUSAN, REP. OF KOREA  
**DATE OF LAUNCHING** : 1996. 11. 30  
**DATE OF DELIVERY** : 1997. 01. 28

L. O. A.	L. B. P.	BREADTH	DEPTH	LIGHT SHIP
221.0 M	213.70 M	32.2 M	22.7 M	11,289.5 T
<b>HEIGHT FROM KEEL TO TOP OF RADAR MAST : 48.31 M</b>				
	INTERNATIONAL		SUEZ	PANAMA
<b>GROSS TONNAGE</b>	43,181.0		45,961.81	
<b>NET TONNAGE</b>	20,536.0		40,067.74	38,549.0
	DEADWEIGHT	DRAFT	FREEBOARD	DISPLACEMENT
<b>TROPICAL</b>	53,081.2 T	11.449 M	7.567 M	64,370.6 T
<b>SUMMER</b>	51,657.8 T	11.216 M	7.800 M	62,947.3 T
<b>WINTER</b>	50,238.8 T	10.983 M	8.033 M	61,528.3 T
<b>HOLD CAPACITY IN CBM</b>				
NO 1: 14,940.3	NO.2: 19,079.8	NO.3: 19251.0	NO.4: 15821.8	NO.5: 19,183.9
	NO.6 : 20,039.1			
<b>SPEED</b>	<b>DAILY BNKR CONSUM.</b>	<b>HORSEPOWER</b>	<b>MCR 123RPM</b>	<b>NCR 116RPM</b>
15.67 KTS	44.0 MT	15,600 BHP	11,473 KW	9,751 KW
<b>MAIN ENG. : MAN B &amp; W, TYPE / 6L60MC</b>				

	CERTIFICATE	ISSUED DATE	EXPIRY DATE
1	INTERNATIONAL LOAD LINE	11 <sup>TH</sup> Apr. 2012	10 <sup>TH</sup> JUN 2016
2	CARGO SHIP SAFETY EQUIPMENT	11 <sup>TH</sup> Apr. 2012	10 <sup>TH</sup> JUN 2016
3	CARGO SHIP SAFETY CONSTRUCTION	11 <sup>TH</sup> Apr. 2012	10 <sup>TH</sup> JUN 2016
4	CARGO SHIP SAFETY RADIO	02 <sup>ND</sup> Aug. 2012	10 <sup>TH</sup> JUN 2016
5	I. O. P. P.	11 <sup>TH</sup> Apr. 2012	10 <sup>TH</sup> JUN 2016
6	S.M.C	18 <sup>TH</sup> June. 2015	17 <sup>TH</sup> JUNE. 2020
7	ISM D.O.C	11 <sup>TH</sup> Apr. 2012	10 <sup>TH</sup> JUN. 2016
8	ISSC	01 <sup>ST</sup> Jul. 2015	17 <sup>TH</sup> JUNE 2020
9	SHIP SANITATION CONTROL EXEMPTION	19 <sup>TH</sup> JUNE 2015	19 <sup>TH</sup> DEC. 2016
10.	SHIP REGISTRY (OFFICIAL# SGR-121502)	27 <sup>TH</sup> Mar. 2012	NO EXPIRY

### IMO CREW LIST

Arrival <input type="checkbox"/>		Departure <input checked="" type="checkbox"/>		Page 1 of 1		
1.1 Name and type of ship <b>MV KEOYANG MAJESTY / WOODCHIP CARRIER</b>				1.2 IMO NUMBER 9131072		
1.3 Call Sign : DSAJZ				1.4 VOYAGE NUMBER - 0048X		
2. PORT OF DEPARTURE : SHEET HARBOUR, CANADA				3. DATE OF DEPARTURE : 11th JUNE 2016		
4. Flag State of Ship <b>REPUBLIC OF KOREA</b>				5. PORT OF DESTINATION ISKENDERUN, TURKEY		
7. No.	8. Family name, given names	9. Rank or rating	10. Nationality	11. Date and place of birth	12. Document Passport No.	13. Document Passport Expiry Date
1	GIM YANG GI	MASTER	REPUBLIC OF KOREA	19/Jun/1960 GYEOUNGBUK	M65610649	23/Apr/2024
2	KIM YOUNGHO	C/O	REPUBLIC OF KOREA	18/Mai/1986 GYEOUNGNAM	M57492582	28/Mar/2023
3	KIM JOONSUK	2/O	REPUBLIC OF KOREA	15/Nop/1978 SEOUL	M23197571	24/Mai/2021
4	NIETES IAN RICHEL MAZA	3/O	PHILIPPINES	11/Mai/1992 BUGASONG ANTIQUE	EC6135800	03/Des/2020
5	CHIN KIJU	C/E	REPUBLIC OF KOREA	1976.04.21 DAEGU	M73207834	2022.12.26
6	BAK BYONG CHOL	1/E	REPUBLIC OF KOREA	22/Feb/1972 SEOUL	M52224121	27/Agust/2022
7	CHA SUNG RYONG	2/E	REPUBLIC OF KOREA	24/Des/1976 DAEGU	M56933967	12/Jan/2026
8	PARK BYEONGHO	3/E	REPUBLIC OF KOREA	18/Jan/1992 SEOUL	M93162097	14/Mar/2021
9	AMBID WELMER SALINAS	BSN	PHILIPPINES	21/Des/1970 OTON ILOILO	EB8289243	02/Jun/2018
10	SALUYA EDWIN DAZA	Q/M A	PHILIPPINES	02/Mai/1977 IRIGA CITY	EC3829850	29/Mai/2020
11	DULNUAN SAMMUEL DULNUAN	Q/M B	PHILIPPINES	10/Mar/1978 KIANGAN IFUGAO	EC1477988	25/Jun/2019
12	RAFER ROWEL RICARIO	Q/M C	PHILIPPINES	19/Feb/1979 PARACALE CAM NO	EB8290656	02/Jun/2018
13	VITUG JOHN PAUL SANTOS	SLR	PHILIPPINES	30/Mai/1994 LUBAO PAMPANGA	EC1948301	20/Agust/2019
14	AGLIPA RODULF RICHARD SISA	SLR	PHILIPPINES	23/Mar/1993 BACOLOD CITY	EC6473723	27/Jan/2021
15	CAMUNAY NEBE TAHUD	SLR	PHILIPPINES	04/Mai/1972 PANAON MIS OC	EC3343964	01/Feb/2020
16	AGONIAS REINIER JON BANGAHON	SLR	PHILIPPINES	18/Agust/1989 DAVAO CITY	EC6287195	27/Des/2020
17	MASIBA ARIEL DADO	FTR	PHILIPPINES	21/Sep/1966 BUUG ZAM DS	EB5047929	29/Mar/2017
18	SACAL JOSELITO LLAMERA	FTR	PHILIPPINES	18/Okt/1968 DAPITAN CITY	EC0245639	17/Feb/2019
19	BRIZO LIMUEL MALINAO	OLR 1	PHILIPPINES	14/Mar/1977 DAAN BANTAYAN CEBU	EB7935030	21/Apr/2018
20	CHAVEZ FRITZ VON INSAIL	OLR	PHILIPPINES	30/Mar/1979 VICTORIA OR MDO	EB8364073	10/Jun/2018
21	PORNIA MARLON JAN MARANON	C/S	PHILIPPINES	15/Jun/1975 VALENCIA,BKN	EC4470475	22/Jun/2020
22	ESCARAN RONNIE MIONES	MSB	PHILIPPINES	14/Des/1986 MAUBAN QUEZON	EB8405591	16/Jun/2018
23	WAWANSYAH	A/O	INDONESIA	28/Mai/1994 RASABOU	B1490671	23/Jun/2020
24	LUTFITO FAHUDA RAHMAN	A/E	INDONESIA	09/Jul/1995 BANJARMARSIN	B1491102	26/Jun/2020
12. Date and signature of Master, authorized agent or officer						
<p>_____  CAPT. GIM YANG GI  MASTER OF MV KEOYANG MAJESTY</p>						



## DAFTAR RIWAYAT HIDUP

Nama : Wawansyah  
NIT : 50134828.N  
Tempat/Tanggal lahir : Rasabou, 28 mei 1994  
Jenis kelamin : Laki-laki  
Agama : Islam



### Nama Orang Tua

Nama Ayah : H. Sarifudin  
Nama Ibu : Hj. Najmah  
Alamat : Dusun Bajo Barat rt 003 rw 001 Desa Bajo Pulau  
Kecamatan Sape Kabupaten Bima. NTB

### Riwayat Pendidikan

1. SDN N 2 Sape : Tahun 2000 - 2006
2. SLTP N 1 Sape : Tahun 2006 - 2009
3. SMA N 1 Sape : Tahun 2009 - 2012
4. PIP Semarang : Tahun 2012 - 2018

### Pengalaman Praktek Laut

1. Perusahaan Pelayaran : PT. Korin Global Mandiri (Hanjin Shipping)
2. Nama Kapal : MV. Keoyang Majesty
3. Masa Layar : 15 Agustus 2015 – 14 September 2016



