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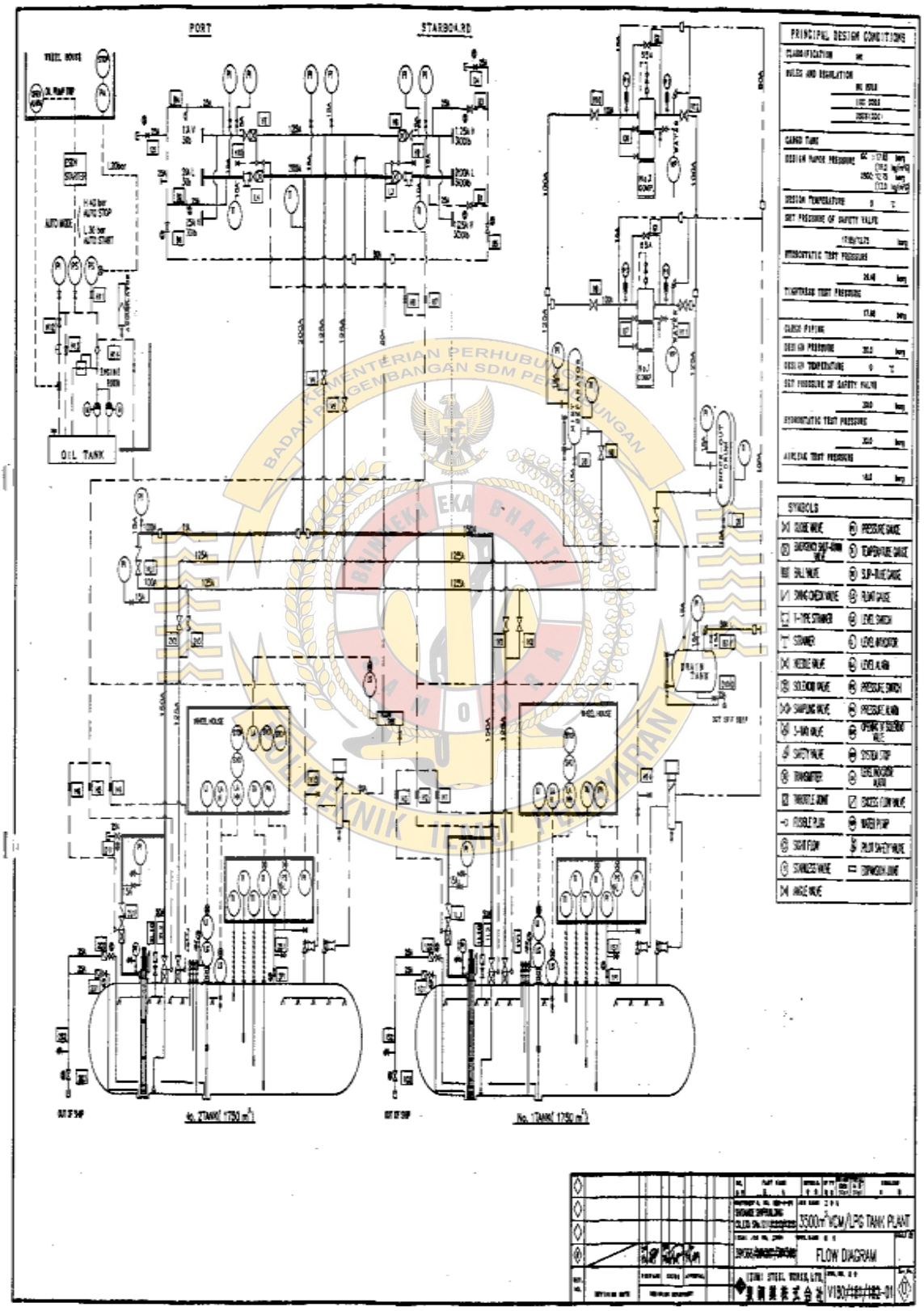
BERNHARD SCHULTE SHIPMANAGEMENT

VESSELS PARTICULARS

LADY MARGAUX	
FLAG	Singapore
PORT OF REGISTRY & IMO NUMBER	Singapore / 9235270
CALL SIGN & OFFICIAL NUMBER	9VHV6 / 391813
RADIO ACCOUNTING AUTHORITY/Accounting code	**RS01**
E-MAIL Address	master@lady.margaux.bsmfleet.com
INMARSAT: SAT- A,B, M or / F77 Telex/Voice/Fax/Data	INM B: +870 502712, FAX 356 502712, Telex 356 502713 MARX FBB:+870 773152143
INMARSAT C	456 502710 MARX
LRIT MES NO.	456502711
MMSI	565 027 000
CLASS & CLASSIFICATION DESIGNATION	DNV - GL
CLASS ID NUMBER	101992
TYPE OF VESSEL	LPG Type 2 PG
CLASSIFICATION DESIGNATION	Hull: 100 A5 NLS T5D11 Liquefied Gas Tanker Type-2PG Machinery; MC
BUILD YARD / BUILD NO. / BUILD DATE	Shitanoe Shipbuilding Co. Ltd / No.1211 / 20 Sept 2000
LOA x LBP x BREADTH x DEPTH	LOA = 97.69 mtrs , LBP = 89.90 mtrs, B= 16.00 mtrs Depth moulded 7.20 mtrs Summer draft moulded = 5.413 mtrs LPG Designed = 5.313 mtrs
GROSS TONNAGE / NET TONNAGE	3.435 tons / 1,031 tons
	Suez Canal Tonnage: GRT 3752.44 Tons / NET 2,816.96 Tons Panama Canal Tonnage = 2,944.00 Tons
SUMMER DISPLACEMENT	6078.12 TONNES
DEADWEIGHT / DEADWEIGHT DRAFT (SUMMER)	3,856.00 tons / Draft 5.413 mtrs / T.P.C. 12.86 Tons
LIGHT DRAFT / DISPLACEMENT	LIGHT DRAFT = 2.16 mtrs / LIGHT DISPL = 2221.73 TONNES
LIGHTSHIP & AIR DRAFT	2,221.73 tons / 23.90 mtrs
Keel to Highest Point	28.64 mtrs
DISTANCE FROM BRIDGE TO CENTER OF MANIFOLD	29.64 mtr (Bow to Manifold 44.59 mtr) (Stern to Manifold 53.1mtr)
MAIN ENGINE – MAKER AND TYPE	AKASAKA – MITSUBISHI UE 5UEC 33LS II X 1 SET
MAIN ENGINE POWER	3621 BHP / 2700 KW
AUXILLARY ENGINE	YANMAR DIESEL CO. LTD/ S165L-EN / TAIYO ELEC/ 400 KW (2 sets)
AUXILIARY BOILER	N/A
BOW THRUSTER	N/A
CARGO PUMP MAKER / CAPACITY	TEIKOKU Machinery Works Ltd / 300 m3/hr x 110 mlc
CARGO TANK MAKER	IZUMI CO. LTD
CARGO TANK TYPE	UNCOATED, CYLINDRICAL INDEPENDENT (TYPE-C)
TANK CAPACITY – 100%	TK NO.1 = 1758.346 m3 / TK NO.2 = 1758.342 m3
MAX TANK TEMPERATURES – Degrees	45 deg C
CARGO TK PV VALVE SETTINGS (MARVS)	17.65 BARG (18.0 KG/CM2 G)
NITROGEN PLANT – type and capacity	PSA / 200 m3/hr
BOILER	None
FUEL CAPACITY – HFO / MDO	FO= 405.32 m3 / DO= 83.24 m3
HFO AND MDO SPECIFICATION (ISO designation)	IFO 380 cst – RMG 380 / MGO-DMA:2005
FRESH WATER CAPACITY	170.54 m3
TOTAL BALLAST CAPACITY	1668.61 m3
OWNING COMPANY	Bernhard Schulte Shipmanagement
REGISTERED OWNERS	Farrer Park Shipping Co (Pte) LTD
CHARTERER	Unigas International Limited
LAST PSC INSPECTION / NEXT PSC INSPECTION	06 MARCH 2015
LAST DRYDOCK / NEXT DRYDOCK	AUGUST 2010 / SEPTEMBER 2015
LAST SPECIAL SURVEY / NEXT SPECIAL SURVEY	2010 / 2015 / Last Intermediate Survey (In-water) 17 July 2013
LAST CDI INSPECTION / NEXT CDI INSPECTION	MAY 2015 / MAY 2016
LAST CAP SURVEY & RATING / NEXT CAP SURVEY	N/A (Vessel not enrolled in CAP)
ANTI-FOULING SYSTEM	July 2008
BALLAST TANK COATING SYSTEM	BISCON HB / BROWN – SINCE KEEL LAID (2000)

Master: CAPT. ALAIN H. YUTANGCO


PORT
STARBOARD
FUEL HOSE
OIL PUMP
ECM STARTER
AUTO WARE
OIL TANK
ENGINE ROOM
PRINCIPAL DESIGN CONDITIONS
CLASSIFICATION
RULES AND REGULATION
CARGO TANK
DESIGN VAPOR PRESSURE
DESIGN TEMPERATURE
SET PRESSURE OF SAFETY VALVE
HYDROSTATIC TEST PRESSURE
TIGHTNESS TEST PRESSURE
CARGO PIPING
DESIGN PRESSURE
DESIGN TEMPERATURE
SET PRESSURE OF SAFETY VALVE
HYDROSTATIC TEST PRESSURE
AIRTIGHT TEST PRESSURE
SYMBOLS
GLOBE VALVE
DIAPHRAGM SHUT-OFF VALVE
BALL VALVE
SWING CHECK VALVE
Y-TYPE STRAINER
STRAINER
NEEDLE VALVE
SOLENOID VALVE
SHUTTING VALVE
Y-VALVE
SAFETY VALVE
DIAPHRAGM
THROTTLE VALVE
FUSIBLE PLUG
SIGHT FLOW
STAINLESS VALVE
ANGLE VALVE
PRESSURE GAUGE
TEMPERATURE GAUGE
SLIP-TUBE GAUGE
FLOAT GAUGE
LEVEL SWITCH
LOCAL INDICATOR
LEVEL ALARM
PRESSURE SWITCH
PRESSURE ALARM
SYSTEM STOP
CROSS FLOW VALVE
WATER PUMP
PILOT SAFETY VALVE
DRAWOFF VALVE
WHEL HOUSE
DRAIN TANK
SET OFF SHIP
No. 2 TANK (750 m³)
No. 1 TANK (750 m³)
3500m³ VCM/LPG TANK PLANT
FLOW DIAGRAM
V180

MATERIAL SAFETY DATA SHEET	
VINYL CHLORIDE (MONOMER)	ASC AGC Group

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: **VINYL CHLORIDE (MONOMER)**
RECOMMENDED USAGE: **PVC Manufacturing & Copolymer**

MANUFACTURER:

PT ASAHIMAS CHEMICAL
Ds Gunung Sugih, Jalan Raya Anyer Km-122
Cilegon 42447 Banten - Indonesia
Tel: +62 254 601252
Fax: +62 254 602027
Contact Department: CVT Department

EMERGENCY PHONE NUMBER: +62 254 601252

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Health	Environmental	Physical
Acute Toxicity - Category 3 Eye Corrosion - Category 1A Skin Corrosion - Category 1A Skin Sensitization - Category 1 Mutagenicity - Category 1A Carcinogenicity - Category 1B Reproductive/Developmental - Category 1A Target Organ Toxicity (Repeated) - Category 1	Aquatic Toxicity: • Acute 1 • Chronic 1	Substance which in contact with water emit flammable gasses - Category 1

GHS Label:

Symbols: skull and crossbones, Gas under pressure, health hazard, flammable liquid

Hazard Statements	*Precautionary Statements*
DANGER! EXTREMELY FLAMMABLE GAS UNDER PRESSURE Easy ignited by heat, sparks or flames Fatal if inhaled. harmful if swallowed, Liquid may cause FROSTBITE to eyes and skin. May cause central nervous System effects. May cause liver damage. A known human carcinogen.	Flammable gas. Keep away from heat, sparks and flame, may cause flash fire. May polymerize. Keep container tightly closed. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Containers may rupture or explode.

1,3-Butadiene

Safety Data Sheet

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Section 1: Identification

1.1. Product identifier

Product form	: Substance
Product Identifier(s)	: 1,3-Butadiene Butadiene BD
CAS No	: 106-99-0

1.2. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	: Industrial use resulting in manufacture of another substance (use of intermediates)

1.3. Details of the supplier of the safety data sheet

Total Petrochemicals & Refining USA, Inc.
P O Box 674411
Houston, TX 77267-4411

For non-emergency product information:
Phone: 713-483-5000
Email: product.stewardship@total.com

1.4. Emergency telephone number

Emergency number	: CHEMTREC: 1-800-424-9300 (Toll Free USA & Canada) / 703-527-3887 (Multiple languages) Total Petrochemicals & Refining USA, Inc.: 1-800-322-3462 (Language: English only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Simple Asphyxiant
Flammable gases Category 1
Gases under pressure Compressed gas
Germ cell mutagenicity Category 1B
Carcinogenicity Category 1A
Specific target organ toxicity (single exposure) Category 3 - Respiratory irritation
Specific target organ toxicity (repeated exposure) Category 2

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

Signal word (GHS-US)	: **Danger**
Hazard statements (GHS-US)	: **Extremely flammable gas** **Contains gas under pressure; may explode if heated** **May cause respiratory irritation** **May cause genetic defects (inhalation)** **May cause cancer (inhalation)** **May cause damage to organs (blood forming organs, blood, reproductive organs) through prolonged or repeated exposure (inhalation)** **May displace oxygen and cause rapid suffocation**
Precautionary statements (GHS-US)	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, open flames, sparks. - No smoking. Do not breathe gas, mist, spray, vapors. Use only outdoors or in a well-ventilated area. Wear flame retardant protective clothing, protective gloves, eye protection, Approved respirator. If inhaled: Remove person to fresh air and keep comfortable for breathing.

KEMENTERIAN PERHUBUNGAN
BADAN PENGEMBANGAN SDM PERHUBUNGAN
POLITEKNIK ILMU PELAYARAN

BERNHARD SCHULTE SHIPMANAGEMENT

Form No: GAS/010

GAS PURGING

This form is to be used in conjunction with Form 119 - Tank Measurement Results when preparing for Hot Work in a Gas Hazardous Space or Gas Hazardous Area.

Complete as necessary and appropriate:

In which tank or space or area is the work going to be carried out: .....
.....

Adjacent tanks or spaces: .....
.....

Has gas purging been carried out on this tank and on adjacent / surrounding tanks? ..... Yes / No

Were the instruments calibrated and checked before any measuring? ..... Yes / No

Is the hydrocarbon gas concentration and oxygen content stabilised after purging? ..... Yes / No

Have the tanks been purged with inert gas to a hydrocarbon gas concentration below 2% by volume before ventilating with fresh air? ..... Yes / No

Has it been ensured that the ventilation reaches right to the bottom of the tank? ..... Yes / No

Was the ventilation stopped for at least 10 minutes before measuring for hydrocarbons and oxygen? ..... Yes / No

Were the measurements taken in at least two different places at three levels in the tank? ..... Yes / No

Has the tank been isolated for 24 hours after completion of cleaning? ..... Yes / No

Were the ventilation fans in operation during the isolation period? ..... Yes / No

Have any pipe systems or hatches etc. that may have cross connected tanks been opened during the isolation? ..... Yes / No

During the isolation time was there any increase in hydrocarbon gas concentration? ..... Yes / No

If the tank has been filled with water after the isolation period has the tank been observed for 4 hours after the filling? ..... Yes / No

REMARKS:.....
.....
.....
.....
.....

Responsible Person: Duty Officer:

Date: Master:

To File in Chief Officers File 9 or Chief Engineers File 9.

	UNIGAS INTERNATIONAL LIMITED	

Place : ANYER, INDONESIA

Date : 01st SEPTEMBER 2015

Voyage No.: 201515

NOTICE OF READINESS

TO MESSR:

Please be advised that my ship The LPG/C "LADY MARGAUX"

Has tendered the Notice of Readiness on the 01st September 2015 at 2118 hours Local Time

And is in every respect ready to commence LOADING her cargo of BUTADIENE about

2,000,000 MT +5%.

as per charter party dated: 19th August 2015.

Capt. Herminio R. Togle Jr.

Master

M.T. LADY MARGAUX MASTER SINGAPORE

Received by: Muslim Fenyanto

Signature of charterer / suppliers / receivers or their representative

Not Accepted September 02nd 2015, at 0540 hrs

1) Original
2) Copy for receiver of Notice of Readiness
3) Ship's copy

Note: Jetty occupied from MT-MT 69 for unberthed (delay berthing)

KEMENTERIAN PERHUBUNGAN BADAN PENGEMBANGAN SDM PERHUBUNGAN POLITEKNIK ILMU PELAYARAN SEMARANG

UNIGAS INTERNATIONAL LIMITED

CERTIFICATE FOR PURGING NITROGEN

Vessel: LADY MARGAUX
Date: 31 August 2015
Place: At Sea
Time.: 1800H LT

Voy No. 201515
Cargo to Load: Butadiene
Last Cargo: LPG MIX
Present Cargo Tks Cond. Under N2

TO WHOM IT MAY CONCERN,

This is to certify that after completion of Nitrogen purging operation with the use of Vessel's own Nitrogen Plant, below Cargo Tanks conditions were obtained.

Cargo Tank No. 1: 99.8% N2 Content and < 0.2 % O2

Cargo Tank No. 2: 99.8% N2 Content and < 0.2 % O2

Signed:

Capt. Herminio R. Togle Jr

Master "Lady Margaux"

M.T. LADY MARGAUX MASTER SINGAPORE

Gambar kapal Lpg/c Lady Margaux
Ketika melaksanakan Dry Dock

Gambar kapal Lpg/c Lady Margaux
Ketika melaksanakan Dry Dock

Nitrogen Generator yang ada di kapal Lpg/c Lady Margaux

Panel Nitrogen Generator yang ada di kapal Lpg/c Lady Margaux

Posisi Liquid line dan Nitrogen line di kapal Lpg/c Lady Margaux

Posisi Manifold dan Nitrogen line di kapal Lpg/c Lady Margaux

Posisi Manifold dan Nitrogen line di kapal Lpg/c Lady Margaux

Pelaksanaan Discharge menggunakan Loading Arm di kapal Lady Margaux

Pressure Cauge untuk memonitor keadaan tangki muatan di kapal Lpg/c Lady Margaux

Sounding untuk mengukur jumlah muatan yang ada di kapal Lpg/c Lady Margaux

BERNHARD SCHULTE SHIPMANAGEMENT

Form No: SHE-11

IMO Crew List

						Page No.	1
				Arrival	Departure		
1. Name of Ship			2. Port of ~~Arrival~~ / ~~Departure~~			3. Date of ~~Arrival~~ / ~~Departure~~	
Lady Margaux			**AT SEA**			**31 JULY 2015**	
4. Nationality of Ship	**Singapore**		5. Port arrived from	**AT SEA**		6. Nature and No.of Identity document (Seaman's Book or Passport)	Expiry Date
7. No	8. Family name, Given names	9.Rank or rating	10. Nationality	11.Date and place Of birth			
1	TOGLE, HERMINIO JR. RODECILLAS	MASTER	FILIPINO	25 May 72	MURCIA NEG OCC	EC4031089	23 Apr 2020
2	CAYABYAB, MARCELINO DACASIN	C/OFF	FILIPINO	05 Apr 77	MALASIQUI PGN	EC0525668	09 Mar 2019
3	MANZANO, BUENAFORD BALUYOT	2/OFF	FILIPINO	06 Jul 74	DINALUPIHAN BATAAN	EC3207958	19 Jan 2020
4	ALOTA, ALVIN JOHN QUIJOY	3/OFF	FILIPINO	08 Dec 85	CEBU CITY	EB6801468	20 Nov 2017
5	CAÑETE, JOHN SIMONDAC	CH/ENG	FILIPINO	24 Sep 65	MANILA	EB8591391	07 Jul 2018
6	CASAMORIN, RODELLE BANSAGON	2/ENG	FILIPINO	29 Oct 78	ILOILO CITY	EC1884649	12 Aug 2019
7	THOMAS GEORGE PATTERSON	3/ENG	FIJIAN	28 Feb 1983	SUVA, FIJI	814219	11 May 2020
8	AHMAD AKBAR	4/ENG	MYANMAR	27 Sep 1989	LISE	B 0493709	20 Feb 2020
9	RANARA EDUARDO JR. FEGUERA	AB	FILIPINO	02 Dec 78	CEBU CITY	EC3063023	21 Dec 2019
10	SALIGAN VICTOR COMIQUE	AB	FILIPINO	23 Dec 80	TUDELA MIS OC	EC1732713	25 Jul 2019
11	SAW KA SAW DHAW	AB	MYANMAR	15 Sept 71	YANGON	M747926	28 June 2017
12	MOE KAUNG SAN	DECK TRAINEE	MYANMAR	15 JUL 1993	YANGON	M841238	30 Jul 2017
13.	ISMAYADI SUBRATA	DECK CADET	INDONESIA	31 Mar 1993	JAKARTA	A 8202115	03 Jul 2019
14	DEOCAREZA JIMUEL JR. REYES	MTM	FILIPINO	26 Feb 88	SOCORRO OR MDO	EB5001275	25 Mar 2017
15	PASAMONTE ALBERT FERMALO	MTM	FILIPINO	11 Apr 80	MANILA	EB8949841	16 Aug 2018
16	CHON HTET HEIN	ENGINE TRAINEE	MYANMAR	06 Apr 1987	MAWLAMYINE	M86744	28 Sep 2017
17	KEVIN KURNIA SUSANTO	ENGINE CADET	INDONESIA	20 Nov 1994	BEKASI	A 8189549	19 May 2019
18	DAGANDAN, STARLITO JR. SUMILE	C/COOK	FILIPINO	21 Dec 77	PANAON MIS OC	EC4368598	08 Jun 2020

12. Master / Authorised agent / Officer: **Capt. Herminio R. Togle Jr.** Date: **31 JULY 2015**

BERNHARD SCHULTE SHIPMANAGEMENT

Form No: SHE-11

IMO Crew List

31 MAR. 2015

Page No.	1

Arrival ☐ Departure ☐

Name of Ship	2. Port of Arrival/Departure	3. Date of ~~Arrival~~ / Departure
Lady Margaux		

Nationality of Ship	**Singapore**	5. Port arrived from		6. Nature and No.of Identity document (Seaman's Book or Passport)	Expiry Date

8. Family name, Given names	9.Rank or rating	10 Nationality	11.Date and place Of birth			
YUTANGCO ALAIN HIDALGO	MASTER	FILIPINO	09 Jul 69	TACLOBAN CITY	EC2858085	27 Nov 19
PELAEZ YVAN SUELA	C/OFF	FILIPINO	26 Apr 72	ILOILO CITY	EC2045600	04 Sep 19
ESPEJA RODOLFO JR. DIVINAGRACIA	2/OFF	FILIPINO	09 Jun 78	ZARRAGA ILOILO	EB5941425	15 Jul 17
CASTROMAYOR ROLLY BELARMINO	3/OFF	FILIPINO	21 Feb 79	BANGA S.COT.	EB6613655	21 Oct 17
CAÑETE, JOHN SIMONDAC	CH/ENG	FILIPINO	24 Sep 65	MANILA	EB8591391	07 Jul 18
MATUSALEM, DEXTER A.	2/ENG	FILIPINO	17 Apr 78	DIPACULAO QUEZON	EB9400652	17 Oct 18
SOMES ERROL JEBUCION	3/ENG	FILIPINO	26 Dec 66	ILOILO CITY	EB1469099	26 Nov 15
AHMAD AKBAR	4/ENG	MYANMAR	27 Sep 1989	LISE	B 0493709	20 Feb 2020
RANARA EDUARDO JR. FEGUERA	AB	FILIPINO	02 Dec 78	CEBU CITY	EC3063023	21 Dec 19
SALIGAN VICTOR COMIQUE	AB	FILIPINO	23 Dec 80	TUDELA MIS OC	EC1732713	25 Jul 19
TAMOOY MARSAN DAYAG	AB	FILIPINO	02 May 87	BUGUIAS BENGUET	EB5892379	09 Jul 17
HTIN LINN	DECK CADET	MYANMAR	23 JUL 1994	YANGON	MA284661	19 Aug 2018
ISMAYADI SUBRATA	DECK CADET	INDONESIA	31 Mar 1993	JAKARTA	A 8202115	03 Jul 2019
ZAW MIN	MTM	MYANMAR	19 Feb 1963	BAGO	MA232944	05 Jun 2018
DEOCAREZA JIMUEL JR. REYES	MTM	FILIPINO	26 Feb 88	SOCORRO OR MDO	EB5001275	25 Mar 17
PASAMONTE ALBERT FERMALO	MTM	FILIPINO	11 Apr 80	MANILA	EB8949841	16 Aug 18
CHON HTET HEIN	E/CDT	MYANMAR	06 Apr 1987	MAWLAMYINE	M86744	28 Sep 2017
KEVIN KURNIA SUSANTO	ENGINE CADET 2	INDONESIA	20 Nov 1994	BEKASI	A 8189549	19 May 2019
SAW LAR MAY	C/COOK	MYANMAR	24 Oct 73	PATHEIN	MA70096	17 Jun 19

12. Master / Authorised agent / Officer: **Capt. Alain H. Yutangco** Date: **31 MAR. 2015**

TRANSKIP WAWANCARA

A. Nama Responden : Marsan Dayag Tamooy

B. Daftar Pertanyaan

1. Bagaimana kondisi tubuh anda selama pelaksanaan proses purging di laksanakan di kapal Lpg/c Lady Margaux.
2. Apakah yang menyebabkan gas hasil purging terhirup oleh saudara.

C. Hasil Wawancara

Nama : Marsan Dayag Tamooy

Jabatan : AB

Tempat : Kapal Lpg/c Lady Margaux

Tanggal : 15 Mei 2015

Hasil wawancara sebagai berikut:

1. Pada pelaksanaan proses purging di kapal Lpg/c Lady Margaux crew tersebut merasakan gangguan kesehatan seperti :

   a. pusing

   b. sulit bernafas

   c. pusing

   d. mual

2. Pada pelaksanaa proses purging di kapal Lpg/c Lady Margaux. beberapa kondisi menyebabkan hal tersebut, seperti :

   a. Arah angin

   b. Kecepatan angin

   c. Kondisi cuaca

d. Ventilasi

e. Pintu kedap

f. Alat bantu pipa

g. Pemahaman procedure purging

h. Tindakan berbahaya

8 kondisi tersebutlah yang menyebabkan crew kapal Lpg/c Lady Margaux menghirupnya gas hasil purging.

BADAN PENGEMBANGAN SDM PERHUBUNGAN
KEMENTERIAN PERHUBUNGAN
BHINNEKA EKA BHAKTI SAMUDRA
POLITEKNIK ILMU PELAYARAN

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name :
Age :
Nationality :
Rank :

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?		
2	Do you khow about purging process?		
3	When purging process, specialy inside accommodation, have you ever felling nausea?		
4	Do you thing ventilation must be closed when purging process		
5	Do you thing wind direction can make gases of purging going inside accommodation?		
6	Have you ever unfit condition during/after purging process		
7	in last 5 years, have you ever felling respiratory and liver disorders		

- This Quitioner for my essay last semester
- This is only for validitas

.

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name : ISMAYADI SUBRATA
Age : 23
Nationality : INDONESIA
Rank : CADET

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?		✓
2	Do you khow about purging process?	✓	
3	When purging process, specialy inside accommodation, have you ever felling nausea?	✓	
4	Do you thing ventilation must be closed when purging process	✓	
5	Do you thing wind direction can make gases of purging going inside accommodation?	✓	
6	Have you ever unfit condition during/after purging process	✓	
7	in last 5 years, have you ever felling respiratory and liver disorders		✓

- This Quitioner for my essay last semester
- This is only for validitas

KEMENTERIAN PERHUBUNGAN BADAN PENGEMBANGAN SDM PERHUBUNGAN POLITEKNIK ILMU PELAYARAN

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name : Daganolan Starlito Jr. Sumile
Age : 39
Nationality : filipino
Rank : c/cook.

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?	✓	
2	Do you khow about purging process?	✓	
3	When purging process, specialy inside accommodation, have you ever felling nausea?	✓	
4	Do you thing ventilation must be closed when purging process	✓	
5	Do you thing wind direction can make gases of purging going inside accommodation?	✓	
6	Have you ever unfit condition during/after purging process	✓	
7	in last 5 years, have you ever felling respiratory and liver disorders		✓

- This Quitioner for my essay last semester
- This is only for validitas

BADAN KEMENTERIAN PERHUBUNGAN PUSAT PENGEMBANGAN SDM PERHUBUNGAN
POLITEKNIK ILMU PELAYARAN

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name : Daganolan Starlito Jr. Sumile
Age : 39
Nationality : filipino
Rank : c/cook.

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?	✓	
2	Do you khow about purging process?	✓	
3	When purging process, specialy inside accommodation, have you ever felling nausea?	✓	
4	Do you thing ventilation must be closed when purging process	✓	
5	Do you thing wind direction can make gases of purging going inside accommodation?	✓	
6	Have you ever unfit condition during/after purging process	✓	
7	in last 5 years, have you ever felling respiratory and liver disorders		✓

- This Quitioner for my essay last semester
- This is only for validitas

BADAN KEMENTERIAN PERHUBUNGAN PUSAT PENGEMBANGAN SDM PERHUBUNGAN
POLITEKNIK ILMU PELAYARAN

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name : CASAMORIN, RODELLE BANGASON
Age : 38
Nationality : FILIPINO
Rank : 2 / ENG

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?	✓	
2	Do you khow about purging process?	✓	
3	When purging process, specialy inside accommodation, have you ever felling nausea?	✓	
4	Do you thing ventilation must be closed when purging process		✓
5	Do you thing wind direction can make gases of purging going inside accommodation?	✓	
6	Have you ever unfit condition during/after purging process	✓	
7	in last 5 years, have you ever felling respiratory and liver disorders		✓

- This Quitioner for my essay last semester
- This is only for validitas

BADAN KEMENTERIAN PERHUBUNGAN PENGEMBANGAN SDM PERHUBUNGAN
POLITEKNIK ILMU PELAYARAN

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name : CASAMORIN, RODELLE BANGASON
Age : 38
Nationality : FILIPINO
Rank : 2 / ENG

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?	✓	
2	Do you khow about purging process?	✓	
3	When purging process, specialy inside accommodation, have you ever felling nausea?	✓	
4	Do you thing ventilation must be closed when purging process		✓
5	Do you thing wind direction can make gases of purging going inside accommodation?	✓	
6	Have you ever unfit condition during/after purging process	✓	
7	in last 5 years, have you ever felling respiratory and liver disorders		✓

- This Quitioner for my essay last semester
- This is only for validitas

BADAN KEMENTERIAN PERHUBUNGAN PENGEMBANGAN SDM PERHUBUNGAN
POLITEKNIK ILMU PELAYARAN

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name : CASAMORIN, RODELLE BANGASON
Age : 38
Nationality : FILIPINO
Rank : 2 / ENG

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?	✓	
2	Do you khow about purging process?	✓	
3	When purging process, specialy inside accommodation, have you ever felling nausea?	✓	
4	Do you thing ventilation must be closed when purging process		✓
5	Do you thing wind direction can make gases of purging going inside accommodation?	✓	
6	Have you ever unfit condition during/after purging process	✓	
7	in last 5 years, have you ever felling respiratory and liver disorders		✓

- This Quitioner for my essay last semester
- This is only for validitas

BADAN KEMENTERIAN PERHUBUNGAN PENGEMBANGAN SDM PERHUBUNGAN
POLITEKNIK ILMU PELAYARAN

ANSWER THE QUESTION BELOW THE COLUMN AVAILABLE IN ACCORDANCE WITH EXPERIENCE WHAT YOU EXPERIENCE AT WORK AS SAILOR.

Name : CASAMORIN, RODELLE BANGASON
Age : 38
Nationality : FILIPINO
Rank : 2 / ENG

No.	Question	yes	no
1	Do you work as a sailor already more than 5 years?	✓	
2	Do you khow about purging process?	✓	
3	When purging process, specialy inside accommodation, have you ever felling nausea?	✓	
4	Do you thing ventilation must be closed when purging process		✓
5	Do you thing wind direction can make gases of purging going inside accommodation?	✓	
6	Have you ever unfit condition during/after purging process	✓	
7	in last 5 years, have you ever felling respiratory and liver disorders		✓

- This Quitioner for my essay last semester
- This is only for validitas

BADAN KEMENTERIAN PERHUBUNGAN PENGEMBANGAN SDM PERHUBUNGAN
POLITEKNIK ILMU PELAYARAN

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name :

age :

nationality :

rank :

No.	Question	answer
1	Do you know about purging? (Understand / no)	
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	
3	Have you ever doing unsafe act during purging proses? (yes/no)	
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	
5	What do you think about wheather condition during purging process? (rain/ no)	
6	When during purging wheather tide door working or not? (good condition/ no)	
7	How about ventilation when purging process? (good condition or not)	
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	
10	Can you working properly during purging? (yes/no)	

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : YVAN SUELA PELAEZ

age : 44

nationality : FILLPINO

rank : E 10

No.	Question	answer
1	Do you know about purging? (Understand / no)	understand
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	forward
3	Have you ever doing unsafe act during purging proses? (yes/no)	yes
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	>5 knot
5	What do you think about wheather condition during purging process? (rain/ no)	No
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	good condition
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	no
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	yes
10	Can you working properly during purging? (yes/no)	No

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : RODOLFO ESPEJA JR. D

age : 38

nationality : FILIPINO

rank : 2/OFF

No.	Question	answer
1	Do you know about purging? (Understand / no)	understand
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	forward
3	Have you ever doing unsafe act during purging proses? (yes/no)	yes
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	75 knot
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	good condition
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	yes
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : CASTROMAYOR ROLLY BELARMINO

age : 37

nationality : FILIPINO

rank : 3/OFF

No.	Question	answer
1	Do you know about purging? (Understand / no)	UNDERSTAND
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	FORWARD
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	75 KNOT
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	GOOD CONDITION
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : John Simoulen Caurce

age : 50

nationality : Filipino

rank : C/E

No.	Question	answer
1	Do you know about purging? (Understand / no)	Understand
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	forward
3	Have you ever doing unsafe act during purging proses? (yes/no)	Yes
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	<5 knot
5	What do you think about wheather condition during purging process? (rain/ no)	No
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	good condition
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	No
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	Yes
10	Can you working properly during purging? (yes/no)	No

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : MATUSALEM, DEXTER A.

age : 38

nationality : FILIPINO

rank : 2/ENGINEER

No.	Question	answer
1	Do you know about purging? (Understand / no)	UNDERSTAND
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	FORWARD
3	Have you ever doing unsafe act during purging proses? (yes/no)	NO
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	>5 KNOT
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	GOOD
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	YES

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : James error. J

age : 31

nationality : Filipino

rank : 3/E

No.	Question	answer
1	Do you know about purging? (Understand / no)	understand
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	Forward
3	Have you ever doing unsafe act during purging proses? (yes/no)	yes
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	25 knot
5	What do you think about wheather condition during purging process? (rain/ no)	No
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	good condition
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	No
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	yes
10	Can you working properly during purging? (yes/no)	No

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : AHMAD ILBAR

age : 27

nationality : MYANMAR

rank : 4th ERD

No.	Question	answer
1	Do you know about purging? (Understand / no)	YES
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	FORWARD
3	Have you ever doing unsafe act during purging proses? (yes/no)	yes
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	> 5 kn
5	What do you think about wheather condition during purging process? (rain/ no)	Rain
6	When during purging wheather tide door working or not? (good condition/ no)	good
7	How about ventilation when purging process? (good condition or not)	GOOD
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	Yes
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : Ranara Edvardo

age : 38

nationality : FILIPINO

rank : AB

No.	Question	answer
1	Do you know about purging? (Understand / no)	Understand
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	foward
3	Have you ever doing unsafe act during purging proses? (yes/no)	Yes
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	> 5 knot
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	Good condition
7	How about ventilation when purging process? (good condition or not)	Good condition
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	Yes
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : SALIGAN VICTOR COMQUE

age : 36

nationality : FILIPINO

rank : AB

No.	Question	answer
1	Do you know about purging? (Understand / no)	UNDESTAND
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	FORWARD
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	> 5 KNOT
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	GOOD CONDITION
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : TAMOOY MARSAN DAYAG

age : 29

nationality : FILIPINO

rank : AB

No.	Question	answer
1	Do you know about purging? (Understand / no)	YES
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	FORWARD
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	>5 KNOT
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	GOOD CONDITION
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : HTIN LINN

age : 22

nationality : MYANMAR

rank : DECK CADET

No.	Question	answer
1	Do you know about purging? (Understand / no)	UNDERSTAND
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	FORWARD
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	<5 KNOT
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	GOOD CONDITION
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : ZAW MIN

age : 54

nationality : MYANMAR

rank : OLLER

No.	Question	answer
1	Do you know about purging? (Understand / no)	NO
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	AFT
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	<5 KNOT
5	What do you think about wheather condition during purging process? (rain/ no)	RAIN
6	When during purging wheather tide door working or not? (good condition/ no)	GOOD CONDITION
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : Deocareza Jimuel Jr. Reyes

age : 28

nationality : Filipino

rank : MTM

No.	Question	answer
1	Do you know about purging? (Understand / no)	YES
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	from forward
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	>5 knot
5	What do you think about wheather condition during purging process? (rain/ no)	no
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	not
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	no
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	no

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : Paramonte Albert Fernando

age : 36

nationality : Filipino

rank : MEM

No.	Question	answer
1	Do you know about purging? (Understand / no)	Understand.
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	aft
3	Have you ever doing unsafe act during purging proses? (yes/no)	yes
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	>5 knot
5	What do you think about wheather condition during purging process? (rain/ no)	no
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	not.
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	not
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	yes
10	Can you working properly during purging? (yes/no)	no

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : Chon Htet Hein.

age : 29

nationality : Myanmar

rank : E/CDT

No.	Question	answer
1	Do you know about purging? (Understand / no)	Understand
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	aft
3	Have you ever doing unsafe act during purging proses? (yes/no)	no
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	>5 knot
5	What do you think about wheather condition during purging process? (rain/ no)	no
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	good condition
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	yes
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	yes
10	Can you working properly during purging? (yes/no)	no

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : KEVIN KURNIA SUSANTO

age : 22

nationality : INDONESIA

rank : EX CADET

No.	Question	answer
1	Do you know about purging? (Understand / no)	NO
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	STBD SIDE
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	<5 KNOT
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	GOOD CONDITION
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : SAW LAR MAY

age : 45

nationality : MYANMAR

rank : C/COOK

No.	Question	answer
1	Do you know about purging? (Understand / no)	NO
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	—
3	Have you ever doing unsafe act during purging proses? (yes/no)	—
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	—
5	What do you think about wheather condition during purging process? (rain/ no)	—
6	When during purging wheather tide door working or not? (good condition/ no)	—
7	How about ventilation when purging process? (good condition or not)	—
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	—
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : DAGANDAN, STARLITO JR. SUMILE

age : 40

nationality : FILIPINO

rank : C/COOK

No.	Question	answer
1	Do you know about purging? (Understand / no)	DO
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	—
3	Have you ever doing unsafe act during purging proses? (yes/no)	—
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	—
5	What do you think about wheather condition during purging process? (rain/ no)	—
6	When during purging wheather tide door working or not? (good condition/ no)	—
7	How about ventilation when purging process? (good condition or not)	GOOD CONDITION
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	—
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Answer this question with you experience during working in Lpg/c Lady Margaux Specialy when purging proces

Name : Moe Khaing San

age : 24 th

nationality : myanmar

rank : Deck Cadet

No.	Question	answer
1	Do you know about purging? (Understand / no)	YES
2	What do you thing about wind course during purging? (from forward/aft/ port side / STBD side)	FORWARD
3	Have you ever doing unsafe act during purging proses? (yes/no)	YES
4	Do you think wind speed have have effect during purging? (<5 knot and >5 knot)	75 knot
5	What do you think about wheather condition during purging process? (rain/ no)	NO
6	When during purging wheather tide door working or not? (good condition/ no)	good condition
7	How about ventilation when purging process? (good condition or not)	good condition
8	In our vessel we have big pipe special for purging, do you think is working? (yes/no)	NO
9	During purging process, have you ever feeling nausea, dizziness, headache and difficult in breathing? (yes/no)	YES
10	Can you working properly during purging? (yes/no)	NO

(signature)

Arah Angin	Jumlah	Presentase (%)	
depan	11	64.71%	88.24%
belakang	3	17.65%	
kanan	1	5.88%	
kiri	0	0.00%	
tidak berpengaruh	2	11.76%	
total	**17**	**100.00%**	

Kecepatan Angin	Jumlah	Presentase (%)	
> 5 knot	10	58.82%	88.24%
< 5 knot	5	29.41%	
tidak berpengaruh	2	11.76%	
total	**17**	**100.00%**	

Cuaca	Jumlah	Presentase (%)	
hujan	13	76.47%	88.24%
tidak	2	11.76%	
tidak berpengaruh	2	11.76%	
total	**17**	**100.00%**	

Pintu kedap	Jumlah	Presentase (%)	
kondisi baik	16	94.12%	94.12%
tidak	0	0.00%	
tidak berpengaruh	1	5.88%	
total	**17**	**100.00%**	

ventilasi	Jumlah	Presentase (%)	
kondisi baik	14	82.35%	94.12%
tidak	2	11.76%	
tidak berpengaruh	1	5.88%	
total	**17**	**100.00%**	

alat bantu pipa	Jumlah	Presentase (%)	
berfungsi	1	5.88%	88.24%
tidak	14	82.35%	
tidak berpengaruh	2	11.76%	
total	**17**	**100.00%**	

pemahaman	Jumlah	Presentase (%)	
paham	14	82.35%	100.00%
tidak	3	17.65%	
tidak berpengaruh	0	0.00%	
total	**17**	**100.00%**	

tindakan berbahaya	Jumlah	Presentase (%)	
iya	13	76.47%	88.24%
tidak	2	11.76%	
tidak berpengaruh	2	11.76%	
total	**17**	**100.00%**	

gangguan kesehatan	Jumlah	Presentase (%)
iya	17	100.00%
tidak	0	0.00%
total	**17**	**100.00%**

DAFTAR RIWAYAT HIDUP

1. Nama : ISMAYADI SUBRATA
2. Tempat dan Tanggal Lahir : JAKARTA, 31 MARET 1993
3. NIT : 49124451 N
4. Agama : ISLAM
5. Alamat Asal : BARAN 2, KEC.MERAL, KAB. KARIMUN, PROV. KEPULAUAN RIAU
6. Nama Orang Tua
   a. Ayah : MICHAIL ISMAN
      Pendidikan : SMA
      Pekerjaan : BEACUKAI
   b. Ibu : KORIYANI
      Pendidikan : S1
      Pekerjaan : GURU SMP
7. Pendidikan Formal
   a. Sekolah Dasar : SD YAYASAN BAKTI TUGAS (1999-2005)
   b. SLTP : SMPN 1 KARIMUN (2005-2008)
   c. SMU : SMAN 1 KARIMUN (2008-2011)
   d. Perguruan Tinggi : PIP SEMARANG (2012-2017)
8. Pengalaman Praktek Laut
   Nama Perusahaan : Bernhard Schulte Ship Management (BSM)
   Bidang : Deck Cadet

PROGRAM STUDI NAUTIKA DIPLOMA IV

POLITEKNIK ILMU PELAYARAN

SEMARANG

2017

HALAMAN PERNYATAAN

Yang bertanda tangan di bawah ini:

Nama : ISMAYADI SUBRATA

NIT : 49124451.N

Program Studi : NAUTIKA

Menyatakan bahwa skripsi yang saya buat dengan judul "Pengaruh proses purging bagi kesehatan crew kapal di LPG/C LADY MARGAUX" Adalah benar hasil karya saya bukan jiplakan/ plagiat skripsi dari orang lain dan saya bertanggung jawab kepada judul maupun isi dari skripsi ini. Bilamana terbukti merupakan jiplakan dari orang lain maka saya bersedia untuk membuat skripsi dengan judul baru dan atau menerima sanksi lain.

Semarang, 30 januari 2017

Yang menyatakan,

METERAI TEMPEL

8CA0EAEF262015180

6000

ENAM RIBU RUPIAH

ISMAYADI SUBRATA

NIT. 49124451 N

HALAMAN PENGESAHAN

PENGARUH PROSES PURGING BAGI KESEHATAN CREW KAPAL DI LPG/C LADY MARGAUX

DISUSUN OLEH:

ISMAYADI SUBRATA
NIT. 49124451.N

Telah diuji dan disahkan oleh Dewan Penguji

Serta Dinyatakan Lulus Dengan Nilai ……..

Pada Tanggal … Februari 2017

Penguji I	Penguji II	Penguji III
Capt.Arika Palapa,M.Si,M.Mar	**Dr. Capt.H. SAHABUDDIN SUNUSI,M.T.,M.Mar.**	**SRI MURDIWATI,S.Sos., M.Si**
Penata Tk, I(III/d)	**Pembina (IV/a)**	**Pembina (IV/a)**
NIP. 197607091998081001	**NIP. 19711022 200212 1 001**	**NIP. 19531224 198103 2 001**

Dikukuhkan oleh:

DIREKTUR POLITEKNIK ILMU PELAYARAN SEMARANG,

Capt. Wisnu Handoko, M.Sc.
Pembina, (IV/a)
NIP. 1973 1031 1999903 1 002

HALAMAN PERSETUJUAN

PENGARUH PROSES PURGING BAGI KESEHATAN CREW KAPAL DI LPG/C LADY MARGAUX

DISUSUN OLEH :

ISMAYADI SUBRATA
NIT. 49124451.N

Telah disetujui dan diterima, selanjutnya dapat diujikan di depan

Dewan Penguji Politeknik Ilmu Pelayaran Semarang

Semarang, 30 januari 2017

Dosen Pembimbing I Materi	Dosen Pembimbing II Metodologi dan Penulisan
Dr. Capt.H. SAHABUDDIN SUNUSI,M.T.,M.Mar. **Pembina (IV/a)** **NIP. 19711022 200212 1 001**	**SRI MURDIWATI,S.Sos., M.Si** **Pembina (IV/a)** **NIP. 19531224 198103 2 001**

Mengetahui
Ketua Program Studi Nautika

Capt. SAMSUL HUDA M.M, M.Mar
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LEMBAR PENGAJUAN JUDUL SKRIPSI

Nama Taruna : **ISMAYADI SUBRATA**

NIT : **49124451N**

Semester / Program Studi : **VIII / NAUTIKA**

Judul skripsi yang diajukan yaitu :

"PENGARUH PROSES PURGING BAGI KESEHATAN CREW KAPAL DI LPG/C LADY MARGAUX"

RUMUSAN MASALAH :

1. Bagaimanakah pelaksanaan proses purging yang aman bagi kesehatan crew kapal?
2. Bagaimanakah mendesain pipa buang (purging pipe) untuk keamanan crew dan kapal LPG/C Lady margaux?

Pembimbing I (Materi) : **Dr. Capt.H.SAHABUDDIN SUNUSI,M.T.,M.Mar.**
Pembina (IV/a)
NIP. 19711022 200212 1 001

Pembimbing II (Metodelogi Penulisan) : **SRI MURDIWATI,S.Sos., M.Si**
Pembina (IV/a)
NIP. 19531224 198103 2 001

Mengetahui / Menyetujui;

Pembimbing I :

Pembimbing II :

Semarang, 20 september 2016
Yang mengajukan judul

ISMAYADI SUBRATA
NIT. 49124451 N

Mengetahui / Menyetujui
Ketua Program Studi Nautika

Capt. SAMSUL HUDA M.M, M.Mar
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PROGRAM STUDI NAUTIKA
POLITEKNIK ILMU PELAYARAN SEMARANG

KARTU KONSULTASI PENYUSUNAN SKRIPSI

PEMBIMBING I / II

NAMA : ISMAYADI SUBRATA
NIT : 49124451 N
PEMBIMBING ~~I~~ II : SRI MURDIWATI, S.SOS., M.SI.,
JUDUL SKRIPSI : PENGARUH PROSES PURGING BAGI KESEHATAN CREW KAPAL DI LPG/E LADY MARGAUX

TANGGAL	URAIAN KEGIATAN	TANDA TANGAN
28/10 2016	Revisi Bab I	
1/11 2016	ACC Bab I, lanjut Bab II	
5/12 2016	Revisi Bab II	
20/1 2017	acc Bab II, lanjut Bab III	
24/1 2017	Revisi Bab III	
25/1 2017	acc Bab ~~II~~ III, lanjut Bab IV	
26/1 2017	Revisi Bab IV	
30/1 2017	acc Bab IV, lanjut Bab V	
30/1 2017	Revisi Bab V	
30/1 2017	acc Bab V, siap di ujian	

Semarang,.....

Mengetahui,
Ketua Program Studi Nautika

SAMSUL HUDA, M.M., M.Mar

Pembimbing I / II

SRI MURDIWATI, S.SOS., M.SI.

PROGRAM STUDI NAUTIKA
POLITEKNIK ILMU PELAYARAN SEMARANG

KARTU KONSULTASI PENYUSUNAN SKRIPSI
PEMBIMBING I/II

NAMA : ISMAYADI SUBRATA
NIT : 49124451 N
PEMBIMBING I/II : Dr. Capt. H. SAHABUDDIN SUNUSI, M.T., M. Mar.
JUDUL SKRIPSI : PENGARUH PROSES PURGING BAGI KESEHATAN CREW KAPAL DI LPG/L LADY MARGAUX

TANGGAL	URAIAN KEGIATAN	TANDA TANGAN
28/12 24	[illegible]	✓
1/1 26	Bab - I [illegible]	✓
5/2 26	Bab II [illegible]	✓
20/1 27	Bab III [illegible]	✓
24/1 27	Bab IV [illegible]	✓
25/1 27	Bab V [illegible]	✓
26/1 27	[illegible]	✓
30/1 27	[illegible]	✓
31/1 27	[illegible] Acc Ujian Kom	✓
	✓	

Semarang .....

Mengetahui,
Ketua Program Studi Nautika

Pembimbing I/II