

DAFTAR PUSTAKA

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LAMPIRAN WAWANCARA

Tanggal : 5 September 2015

Tempat : CCR (*Cargo Control Room*)

Wawancara dengan : Hendra (Mualim I MT. Patra Tanker 3)

1 Jenis muatan apa saja yang biasa di muat MT. Patra Tanker 3?

Jawab:

Kapal ini hanya memuat HSD dan Premium.

2 Apakah di kapal ini pernah melakukan proses *tank cleaning*?

Jawab:

Jarang dilakukan tank cleaning, tank cleaning hanya dilakukan saat kapal akan memuat HSD, jika sebelumnya memuat Premium.

3 Berapa kali dalam sebulan melakukan proses *tank cleaning*?

Jawab:

Tergantung kapan kapal akan memuat HSD. Dalam sebulan rata - rata melakukan proses tank cleaning sebanyak 1- 2 kali.

4 Apakah pernah ada masalah berkaitan dengan tank cleaning dalam proses bongkar muat?

Jawab:

Ya, di Palembang saat kapal sudah sandar, ketika diperiksa, ternyata tangki belum siap memuat. Dan harus keluar jetty untuk tank cleaning ulang.

5 Apakah ada sanksi dari pihak darat?

Jawab:

Tidak, hanya saja Nahkoda dan saya ditegur oleh Loading Master.

6 Adakah kendala lain dalam pelaksanaan bongkar muat?

Jawab:

Peralatan banyak yang rusak, minta ganti ke perusahaan pun harus menunggu lama. Terkadang tidak dipenuhi.

7 Untuk mengatasi kerusakan terhadap bongkar muat apa yang dilakukan pihak kapal?

Jawab:

Kapal dalam hal ini akan mengirimkan daftar permintaan pengganti peralatan yang rusak untuk segera dikirim dalam waktu dekat. Selama belum dipenuhi, pihak kapal mencoba memperbaiki dan menggunakannya semaksimal mungkin.

8 Apakah perusahaan selalu memenuhi semua permintaan dari kapal?

Jawab:

Tidak, perusahaan terkadang hanya mengirim sebagian peralatan yang diminta pihak kapal dan memerintahkan awak kapal untuk memperbaiki alat yang rusak tersebut.

9 Adakah kendala lain yang disebabkan oleh kru kapal?

Jawab:

Kalau dari kru kapal, permasalahannya ada pada kesadaran, pengetahuan dan keterampilan yang kurang dalam proses bongkar muat. Mungkin

memang saat *recruitment* mereka tidak dibekali familiarisasi yang baik atau bagaimana, saya tidak mengerti.

10 Adakah kendala dari pihak pelabuhan?

Jawab:

Sederhana saja. Permasalahan yang datang dari pihak pelabuhan hanya soal komunikasi saja.

11 Apakah dampak dari gangguan proses bongkar muat itu?

Jawab:

Menyebabkan keterlambatan proses bongkar muat karena peralatan tidak bisa digunakan semestinya. Dengan kata lain perusahaan akan mendapatkan imbas dari keterlambatan. Distribusi minyak akan terhambat. Apabila sudah seperti itu semua awak kapal akan mendapatkan teguran ataupun sanksi dari perusahaan atas keterlambatan distribusi minyak tersebut.

12 Sebagai awak kapal, saran apa yang anda berikan untuk perusahaan dan para pemilik muatan?

Jawab:

Perusahaan pemilik kapal seharusnya menyediakan peralatan bongkar muat yang sesuai serta membekali para awak kapal dengan pengetahuan dan pemahaman tentang muatan maupun prosedur bongkar muat, sehingga awak kapal cakap dalam melakukan bongkar muat, khususnya untuk personil prosedur bongkar muat sesuai peraturan yang berlaku. Komunikasi antara pihak kapal dan pelabuhan juga harus berjalan baik.

Pihak pemilik muatan hendaknya bisa mengerti keluhan - keluhan pihak kapal, terutama mengenai peralatan bongkar muat.



LAMPIRAN II
GAMBAR - GAMBAR



Gambar 1. Cargo Control Panel yang terletak di CCR (Cargo Control Room)



Gambar 2. Cargo Pump



Gambar 3. Cargo manifold



Gambar 4. Pipe Line cargo



Gambar 5. manhole di MT. Patra Tanker 3



Gambar 6. Muatan yang masih tersisa di sekitar *bellmouth* akibat pelaksanaan tank cleaning yang kurang optimal.

Form Number : 6.01 Checklist for Cargo Transfer Operations			
Vessel / Office :		MT. PATRA TANKER 3 / 1025	9 MAY 2015
Part A-1 Initiate Cargo Handling Checklist			
Date :	09/05/2015		
Port :	MERAK	Terminal :	JETTY # 1 OTM
The following have been verified and checked prior to commencing cargo transfer operations and are monitored during the cargo transfer operations		Select Yes, No or N/A	If No, please comment
A detailed Cargo Transfer Plan has been prepared and signed by the Master and all duty deck officers, and is displayed in the CCR		Yes	
A Cargo Transfer duty roster has been prepared and displayed in the CCR		Yes	
Grade of cargo to be transferred has been confirmed with the Terminal representative		Yes	
MSDS with all physical properties of the cargo to be transferred has been obtained and posted in a common area in the accommodation		Yes	
Cargo tanks have been inspected and found suitable for the cargo to be loaded		Yes	
Loaded tanks have been gauged by the duty deck officer and cargo surveyor prior to commencing discharge		Yes	
Cargo transfer lines and valves have been lined up in accordance with the Cargo Transfer Plan		Yes	
IGS has been tested and found in good working order		N/A	
All scupper plugs are in place		Yes	
Cargo spill clean up equipment is deployed and ready for use		Yes	
Cargo heating requirements are observed			
Vapor recovery system has been checked and found operable		N/A	
Communication systems have been checked and found in good operating condition		Yes	
Procedures have been established for tank change over		Yes	
Procedures have been established for topping up of tanks		Yes	
Cargo transfer rates have been agreed with the terminal representative		Yes	
Starting cargo transfer rates and maximum allowable manifold pressure have been agreed with the terminal representative		Yes	
Proper trim and list and draft is being monitored throughout the cargo transfer operations		Yes	

Form Number : 6.01 Checklist for Cargo Transfer Operations			
Vessel / Office :		MT. PATRA TANKER 3 / 1025	9 MAY 2015
Part A-1 Initiate Cargo Handling Checklist			
Date :	09/05/2015		
Port :	MERAK	Terminal :	JETTY # 1 OTM
The following have been verified and checked prior to commencing cargo transfer operations and are monitored during the cargo transfer operations		Select Yes, No or N/A	If No, please comment
COW plan has been prepared in accordance with the COW procedures		N/A	
Ballast plan is included in the Cargo Transfer Operations plan, and is well understood by all duty deck officers		Yes	
Vessel hull stability, stress and share forces are being monitored throughout the cargo transfer operations		Yes	
The main engine is on stand by, and the vessel is at all times ready to move under her own power		Yes	
Sufficient personnel have been assigned to the cargo transfer operation in order to conduct a safe and efficient operation		Yes	
The Ship to Shore Safety Checklist has been completed		Yes	
Comments			
Signature by Originator			
Part B - Chief Officer's Review			
*** Please select the records listed below if appropriate ***			
Comments			
Signature by Chief Officer			
Part C – Master's Review			
*** Please select the records listed below if appropriate ***			
Comments			

Form Number : 6.01 Checklist for Cargo Transfer Operations			
Vessel / Office :		MT. PATRA TANKER 3 / 1025	9 MAY 2015
Part A-1 Initiate Cargo Handling Checklist			
Date :	09/05/2015		
Port :	MERAK	Terminal :	JETTY # 1 OTM
The following have been verified and checked prior to commencing cargo transfer operations and are monitored during the cargo transfer operations		Select Yes, No or N/A	If No, please comment
Signature of Master			



Form Number: 6.09 Deck Familiarization - Cargo and Ballast Handling		
Vessel / Office :	MT. PATRA TANKER 3 / 1025	28 September 2012
Part A – Initiate Deck Familiarization Process		
Date when the familiarization process commenced	28/09/2012	
Position of the new Officer		
Name of the new Officer		
Familiarity	Date Conducted	N/A
Layout of the entire cargo and ballast systems, including the pump room (if applicable).	28/09/2012	<input type="checkbox"/>
Safety precautions regarding all phases of the cargo handling and ballasting operations	28/09/2012	<input type="checkbox"/>
Operation of the emergency stop for the cargo pumps.	28/09/2012	<input type="checkbox"/>
Cargo heating systems and the requirements for testing the system.	28/09/2012	<input type="checkbox"/>
The ability to carry out tank atmosphere measurements in cargo tanks, including calibration of the instruments used	28/09/2012	<input type="checkbox"/>
Tank gauging systems, including Ullage, Temperature and oil/water Interface (UTI)	28/09/2012	<input type="checkbox"/>
Required documentation related to cargo handling operations	28/09/2012	<input type="checkbox"/>
Testing procedures for cargo hoses, vapor hoses and tank cleaning hoses	28/09/2012	<input type="checkbox"/>
Lining up the cargo valves to prepare for cargo transfer operations	28/09/2012	<input type="checkbox"/>
Layout and all operational controls in the Cargo Control Room (CCR)	28/09/2012	<input type="checkbox"/>
Cargo and ballast pumps with emphasis on any critical operational conditions which may occur	28/09/2012	<input type="checkbox"/>
Purging of the cofferdams in submerged hydraulic pumps	28/09/2012	<input type="checkbox"/>
Calculations of liquid cargoes, related to specific gravity and observed temperature	28/09/2012	<input type="checkbox"/>
Understanding cargo compatibility in relation to stowing of cargoes	28/09/2012	<input type="checkbox"/>
Understanding Material Safety Data Sheets	28/09/2012	<input type="checkbox"/>
Basic tank cleaning methods	28/09/2012	<input type="checkbox"/>
Basic Crude Oil Washing Procedures	28/09/2012	<input type="checkbox"/>
Ship's Vapor Recovery system	28/09/2012	<input type="checkbox"/>
Ship's Inert Gas system	28/09/2012	<input type="checkbox"/>
Cargo sampling, storage and retention procedures	28/09/2012	<input type="checkbox"/>
Cargo handling critical instrumentation and equipment prior to commencing cargo transfer operations	28/09/2012	<input type="checkbox"/>
How loading discharging and ballasting impact the ship's stability, stress and share forces	28/09/2012	<input type="checkbox"/>
Monitoring cargo transfer rates and manifold pressure during cargo transfer operations	28/09/2012	<input type="checkbox"/>
Importance of monitoring moorings, cargo hoses/arms, gangway and fire wires during cargo and ballast transfer operations due to change in the vessel's draft	28/09/2012	<input type="checkbox"/>
Cargo tank topping off procedures	28/09/2012	<input type="checkbox"/>

Ship's Ballast Water Management Plan	28/09/2012	<input type="checkbox"/>
Dangers associated with tank inspection before and after cargo transfer operations	28/09/2012	<input type="checkbox"/>
Signature of Originator		
Part B - Familiarization Process Completed – New Officer or Rating		
Date when the familiarization process completed	28/09/2012	
Signature of the new Officer or Rating		
Part C - Chief Officer's Review		
Comments		
Signature of the Chief Officer		



DAFTAR RIWAYAT HIDUP

1. **Nama Lengkap** : Fandhy Dony Wicaksono
2. **Tempat / Tanggal Lahir** : Temanggung, 23 Februari 1994
3. **NIT** : 49124381 N
4. **Alamat Asal** : Jl. Bougenville No. 21 RT 06/1 Maliyan Sidorejo



5. **Agama** : Islam
6. **Orang Tua**
- Ayah : Sri Endro Martono
- Ibu : (Almh) Budiarti Laksmiwati
7. **Pendidikan**
- 2000 – 2006 : SD N 1 Jampiroso Temanggung
 - 2006 – 2009 : SMP N 1 Temanggung
 - 2009 – 2012 : SMA N 2 Temanggung
 - 2012 - 2017 : Politeknik Ilmu Pelayaran (PIP) Semarang

8. **Pengalaman Praktek Laut**

MT. Patra Tanker 3, tanggal 18 Oktober 2014 s/d 29 November 2015.