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Türk Loydu Newsletter

APPENDIX - TLN 04/2010

Concentrated Inspection Campaign (CIC) - Tanker Damage Stability Appendix to Turk Loydu <u>Newsletter 04/2010</u>

The following Appendix to TLN 04/2010 is prepared by Turk Loydu Greece Representative "Alpha Marine Services Ltd."

The PSC regions of Paris MoU and Black Sea MoU have announced that a CIC on tanker damage stability shall take place from 1 September to 30 November 2010.

Subject to this CIC are following type of ships that must comply with relevant mandatory stability requirements:

- Oil Tankers MARPOL Annex I, Reg. 28
- Gas Tankers IGC Code, Chapter 2
- Chemical Tankers IBC Code, Chapter 2

PSCO will be checking that ships are provided with an approved stability information booklet (SIB) and that the actual loading conditions, as demonstrated by Master, are found to be in compliance with the approved SIB. It is expected that small deviations between actual and allowable conditions may be accepted (e.g. within 1% variation by weight in cargo and ballast tanks and 2 cm on GM/KG); but as to this date, the acceptable tolerances given to PSC officers are not known to us.

If a PSCO is satisfied with questions no. 1-4, then it is anticipated that the ship is in compliance and the remaining questions (5-8) will not be applicable. **Please note that if the answer is NO to any of the questions no. 1 to 3, this may result in detention**. Further, it is assumed that depending on the combination of the results of the remaining questions, when applicable, there will be situations that may lead to detention.

In summary, Master has to ensure compliance by:

- Loading the ship as per approved conditions in SIB; or
- If loading conditions are deviating from those stated in the approved stability booklet, having written approval from Flag or Class; or
- Assessing loaded condition against the allowable limit curves (covering damage stability) included in the SIB; or
- Using an approved computer program able to perform damage stability calculations.

We would like to draw your attention that as the CIC will be conducted during a routine PSC inspection, the PSCO will check also other areas to his/hers discretion, including compliance with ISM code.

As loading operations are considered key shipboard operations, the company should ensure that instructions and procedures in relation to stability are included in the Safety Management System (SMS). Further, if PSCO concludes that the ship is not loaded in accordance with damage stability requirements, this may be recorded as failure of the SMS and an internal / external audit may be required.

N 1.		
NO.	Question	Instructions
2.	Does the ship have an approved Stability Information Book (SIB)? Is the SIB written in a language understood by the	 The ship shall be supplied with stability information approved by the Flag State or Class. If ship recently had changed Flag or is a newbuilding, the stability book may have preliminary approval. If ship recently had changed Flag or Class, the stability book shall be stamped by the previous Flag or Class. Absence of the approved Stability Information Book (SIB) may lead to detention. The SIB shall at least be in English. If Master does not understand the SIB, this
	master?	may lead to detention even if other officers
3.	Does the approved Stability information cover damage conditions?	 are able to. The approved SIB shall cover damage stability calculations. Damage stability compliance and limitations of approval shall be mentioned on the Approval Letter. Check that the Approval Letter is onboard. Master should ensure that damage stability compliance is documented by following: Approval letter issued by the Class. Notes on the stamped front-page of SIB. Ballast or non-cargo conditions are not subject to damage stability compliance. If sufficient documentation is not provided onboard, contact Company or the Class for assistance. The ship may be detained if there is no approved damage stability information onboard.
4.	Can the master demonstrate that the ship is normally loaded in accordance with the SIB?	 The ship is loaded in compliance with an approved condition from SIB. The actual loading condition may insignificantly deviate from the approved SIB condition. For guidance on acceptable deviations refer to Table 1 below (for more information please refer to IACS UR L5 - attached as separate document). If the answer to Q.4 is YES, remaining questions will be N/A. If answer to Q.4 is NO, Master must be able to verify compliance by continuing with the questionnaire.
5.	Has the master verified an alternate loading condition by written authority from flag/class?	 "Alternate loading condition" means the ship is loaded with condition deviating from the approved SIB. Written authority shall be obtained from Flag / Class that alternative actual loading condition is acceptable.

		• The Class may be contacted for assistance
		in preparation of the needed
		documentation.
		• This documentation shall demonstrate the
		compliance with both intact and damage
		stability regulations.
		• If the answer to Q.5 is YES, the remaining
		questions will be N/A.
		• If answer to Q.5 is NO. Master must be able
		to verify compliance by continuing with the
		questionnaire
6	Has the master	This may be done if approved stability
0.	verified an alternate	information (SIB or DSB) contains "critical
	loading condition by	damago KG or GM data"
	accessing loaded	"Critical damage KC or CM" data means
	assessing loaded	Cilical damage KG of Givi data means "Maximum KC or minimum CM limit
	critical damage KG	curves.
	data, included in the	• Important: cneck that "critical damage KG
	approved stability	or GM [®] data covers damage stability
	information?	requirements.
		• Master is able to demonstrate that the
		actual loading conditions are within the limit
		CURVES.
		• If answer to Q.6 is YES, remaining
		questions will be N/A.
		• If Master is unable to demonstrate Q.6, this
		may lead to PSC detention; unless Q.7 and
		Q.8 are YES.
		• If answer to Q.6 is NO, Master must be able
		to verify compliance by continuing with the
		questionnaire.
7.	Is there an on-board	Check if stability computer program is
	stability computer	approved and certified by the Class
	program that	(Loading Computer Certificate onboard).
	includes damage	• The Class Loading Computer Certificate
	stability?	states if program is approved for damage
	stability.	stability control
		 If not approved by the Class check if the
		- In hot approved by the class, check if the
		If document of program approval is not
		n uocument or program approval is not appard, contact Company or the Class for
		• IT answer to Q. / IS INU, this may lead to
		aetention.
		• It answer to Q.7 is YES, then the next
_		question Q.8 will be asked.
8.	Has the master	• Master is able to verify damage stability for
	verified an alternate	loading condition by using stability
	loading condition by	computer program.
	using the on-board	• The printouts showing the loading condition
	stability computer	should be filed as proof for compliance.
	program for	• If answer to Q.8 is NO, this may lead to
	carrying out damage	detention.
	stability checks?	
9.	Was the ship	
	detained as a result	
	of this CIC?	
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