



Certificate No. 01-FR55812-X

Port of FREDERICIA - DENMARK

Date 27 AUGUST 2001

TEST OF SERVAL CC BEARING BRACKET LOCKING GEAR

THIS IS TO CERTIFY THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF SERVAL CC, ATTEND THE WORKS OF MÆRSK CONTAINER INDUSTRI AS FOR THE PURPOSE OF WITNESSING TRANSVERSE RACKING AND END WALL STRENGTH TEST WITH SERVAL CC BEARING BRACKET FITTED TO THE CONTAINER LOCKING GEAR.

THE TEST WAS CARRIED OUT IN LINE WITH ABS RULES FOR CERTIFICATION OF CARGO CONTAINERS 1998 SECTION 7 TEST NO 7.11.13 AND 7.11.10 AS APPLICABLE, AND THE RESULTS WERE FOUND SATISFACTORY ACCORDING TO RULE REQUIREMENTS.

THE TEST DETAILS ATTACHED HEREWITH.
TEST REPORT NO. 01-FR55812
DATE: 25-06-01 & 10-08-01




Henrik J. Kristensen
Surveyor, American Bureau of Shipping

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

AMERICAN BUREAU OF SHIPPING CONTAINER TEST REPORT

REPORT NUMBER <i>01-FR55812</i>	7.11.10 END WALL STRENGTH TEST	DESIGN TYPE NO. AB/ <i>532 / 97</i>	PAGE 31
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1								
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WALL AREA =	<i>6.03</i> m ² (ft ²)							
LOAD MEDIUM =	<i>AIR PRESSURE</i>							
P =	<i>1991 mm W/G.</i> kg(lb)							
TEST LOAD .4Pg =	<i>30600</i> kg(lb)							
TEST LOAD <i>0.4P</i> =	<i>12240</i> kg(lb)							
LOAD PER cm ² (in ²) =	<i>0.203</i> kg/cm ² (in ²)							

7.11.10A END WALL STRENGTH--DOOR END--DEFLECTIONS

CONDITION	1	2	3	4	5
BEFORE LOADING	<i>296</i>	<i>306</i>	<i>294</i>	<i>307</i>	<i>291</i>
UNDER LOAD	<i>256</i>	<i>268</i>	<i>243</i>	<i>268</i>	<i>246</i>
AFTER LOADING	<i>293</i>	<i>304</i>	<i>290</i>	<i>305</i>	<i>288</i>
PERMANENT DEFORMATION	<i>3</i>	<i>2</i>	<i>4</i>	<i>2</i>	<i>3</i>

7.11.10B END WALL STRENGTH--CLOSED END--DEFLECTIONS

CONDITION	1	2	3	4	5
BEFORE LOADING					
UNDER LOAD					
AFTER LOADING					
PERMANENT DEFORMATION					

COMMENTS:

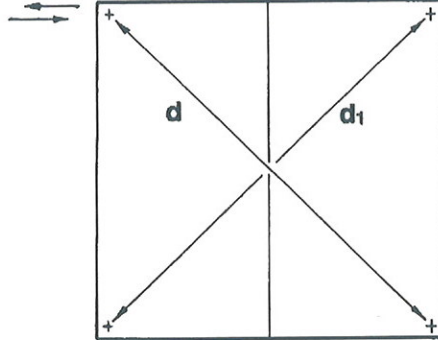
*DRY CARGO CONTAINER NO: 7094122
NO DEFECTS ON LACING GEAR
TEST CARRIED OUT ON 10th OF AUGUST 2001
AND FOUND SATISFACTORY*



HENRIK J. KRISTENSEN SURVEYOR

AMERICAN BUREAU OF SHIPPING CONTAINER TEST REPORT

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MINIMUM TEST FORCE= 150kN
(33,700lbf)

TEST FORCE= *150kN* kg(lb)

LOADING	CONDITION	FORCE	DIAGONALS			
			d		d ₁	
COMPRESSION	BEFORE TESTING	0	A	<i>50</i>	A	<i>50</i>
	DURING TESTING	<i>150 kN</i>	B	<i>80</i>	B	<i>22</i>
	SUM OF ABSOLUTE VALUES	$ A-B $	<i>30 + 28 = 58</i>			
	AFTER TESTING	0		<i>53</i>		<i>48</i>
TENSION	BEFORE TESTING	0	A	<i>53</i>	A	<i>48</i>
	DURING TESTING		B	<i>23</i>	B	<i>76</i>
	SUM OF ABSOLUTE VALUES	$ A-B $	<i>30 + 28 = 58</i>			
	AFTER TESTING	0		<i>49</i>		<i>51</i>

COMMENTS:

*THERMAL CONTAINER NO: 616263-7
NO DEFECTS ON LOCKING GEAR
TEST CARRIED OUT ON 25th OF JUNE 2001.
AND FOUND SATISFACTORY*


HENRIK J. KRISTENSEN SURVEYOR
