


 EUMOS 40509 CS-TS LOGISTIC LAB Cargo Securing Training Services Safe transport	Customer dRUMCLIP		Date 10-5-2022	 EUMOS 40 509
	Project Drumclip TEST	Reference PE dc19 4 C 4 0.5	Revision 01	

1. Load unit descriptive data

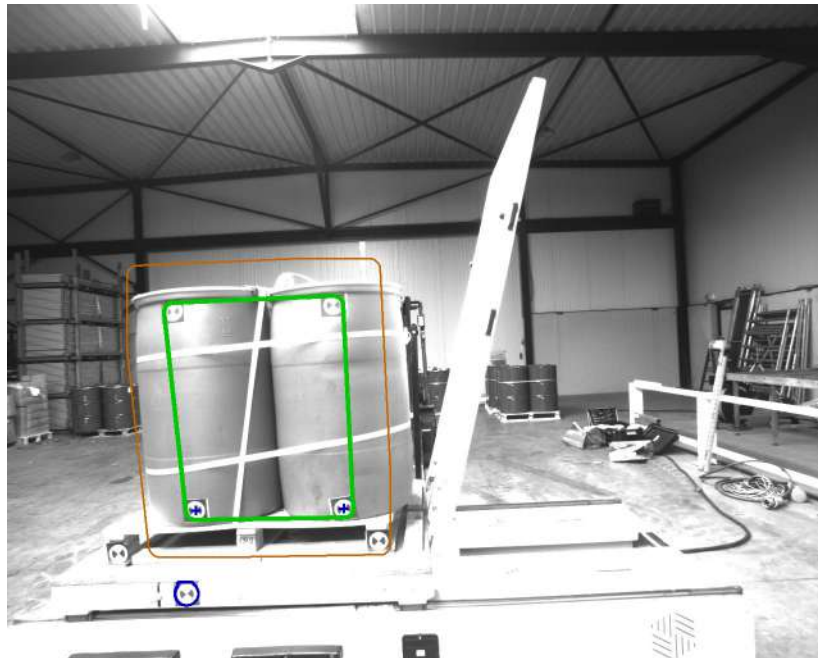
- *Dimensions (mm):* 1070 X 1150 X 1150
- *Weight (kg):* 850
- *Center of Gravity (mm):* H600 x L575 x W575
- *Nature of the Products:* PE drums
- *Description of Primary Pack:* CB 65 strap Corstrap 4 drumclips DC 19 B Green
- *Layer Stacking pattern:* 1 layer of 4 drums
- *Type of Pallet:* CP 9
- *Responsible of the description:* Dhr. Wouter Geldhof

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2. Test related data

2.1. Orientation of the test: Length

- *Date of Test:* 10/5/2022
- *Place:* Brugge
- *Rigidity (g):* 0.50G
- *Testing History:* non



Load Before Test



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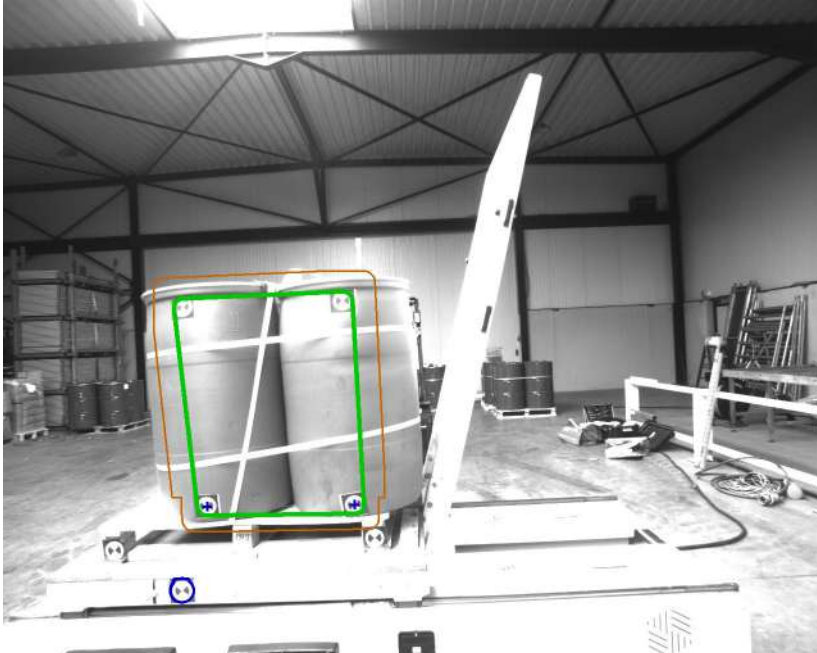
Date
10-5-2022



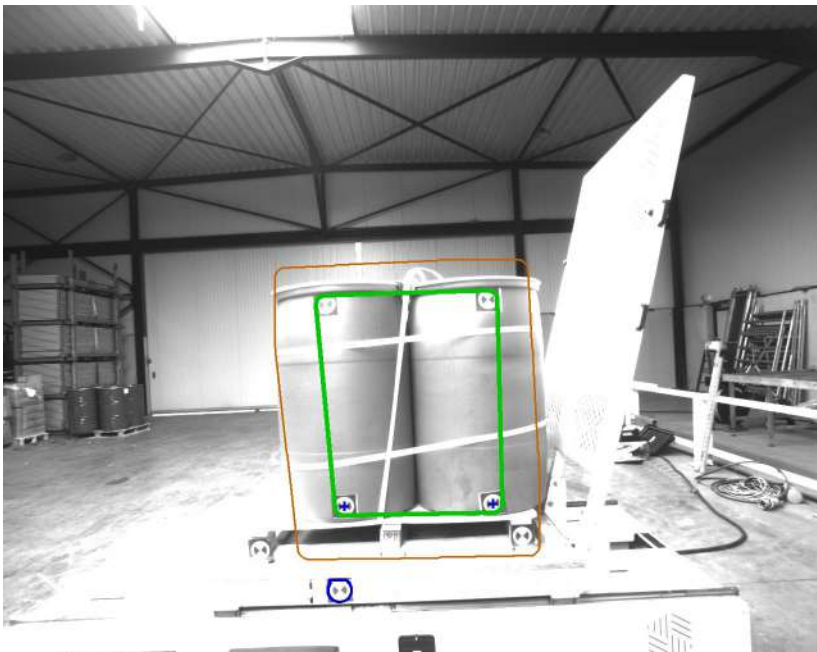
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Permanent Deformation



Max Elastic Deformation

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3. Test Validation

- Temperature of the test area: 22°
- Humidity of the test area: 65%
- Responsible of Report: Dhr. Geert Frans
- Sign:





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4. Annex



Date	10/5/2022
Project/Customer	Drumclip
Load Reference	PE dc19 4 C 4 0.5
Acceleration test	0.50G
Load Height(mm)	1070
Load Weight(kg)	850
Test Method	CUSTOM
Center Of Gravity	0

Permanent		Elastic(10%)
h<200 mm	h>200 mm	
40 mm	60 mm	107 mm

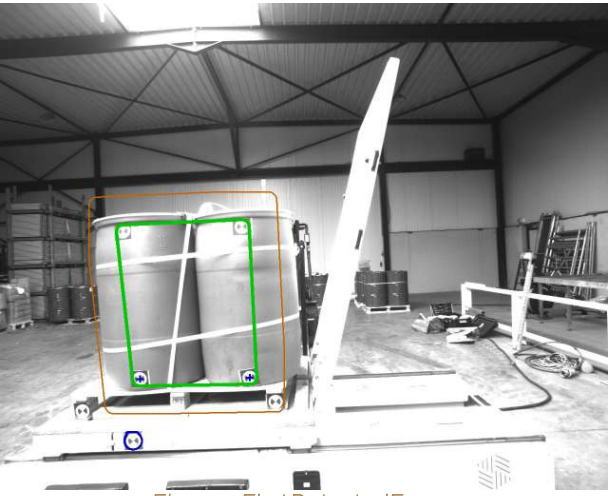


Figure 1. First Detected Frame



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Permanent Deformation				
Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
479	3976	0	60	OK

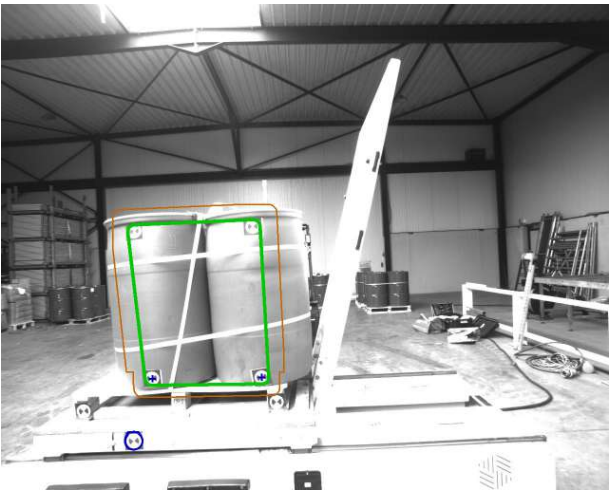
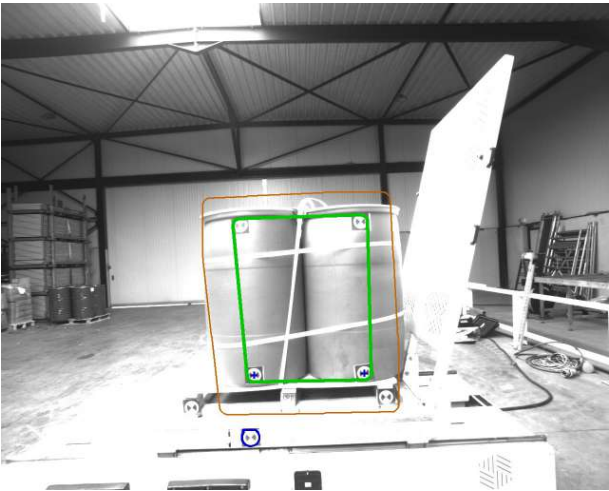


Figure 2. Permanent Deformation

Max/Over Elastic Deformation				
Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
113	938	20	107	OK





 EUMOS 40509 CSTS CS-TS LOGISTIC LAB Frage-Suchung - Lösung-Systeme Safe transport	Customer dRUMCLIP		Date 10-5-2022		 EUMOS 40 509
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Figure 3. Maximum Elastic Deformation

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List of Results				
Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
0	0	0	107	OK
1	8	0	107	OK
2	17	0	107	OK
3	25	0	107	OK
4	33	0	107	OK
5	42	0	107	OK
7	58	0	107	OK
8	66	0	107	OK
9	75	0	107	OK
10	83	0	107	OK
11	91	0	107	OK
13	108	0	107	OK
14	116	0	107	OK
15	125	0	107	OK
16	133	0	107	OK
17	141	0	107	OK
18	149	0	107	OK
19	158	0	107	OK
21	174	0	107	OK
23	191	0	107	OK
24	199	0	107	OK
25	208	0	107	OK
26	216	0	107	OK
27	224	0	107	OK
28	232	0	107	OK
29	241	0	107	OK
30	249	0	107	OK
31	257	0	107	OK
37	307	0	107	OK
38	315	0	107	OK
40	332	0	107	OK
48	398	0	107	OK
53	440	1	107	OK
104	863	18	107	OK
105	872	18	107	OK
109	905	18	107	OK
110	913	18	107	OK
111	921	18	107	OK
112	930	19	107	OK
113	938	20	107	OK
114	946	20	107	OK
115	955	20	107	OK
117	971	20	107	OK
120	996	19	107	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
122	1013	19	107	OK
123	1021	20	107	OK
124	1029	20	107	OK
126	1046	20	107	OK
128	1062	20	107	OK
134	1112	18	107	OK
175	1453	5	107	OK
184	1527	3	107	OK
193	1602	5	107	OK
195	1619	3	107	OK
196	1627	3	107	OK
198	1643	1	107	OK
199	1652	3	107	OK
200	1660	3	107	OK
203	1685	3	107	OK
204	1693	1	107	OK
206	1710	3	107	OK
207	1718	1	107	OK
208	1726	1	107	OK
209	1735	1	107	OK
211	1751	3	107	OK
212	1760	3	107	OK
213	1768	1	107	OK
215	1785	1	107	OK
216	1793	1	107	OK
217	1801	1	107	OK
218	1809	1	107	OK
219	1818	1	107	OK
220	1826	3	107	OK
221	1834	1	107	OK
222	1843	1	107	OK
223	1851	1	107	OK
224	1859	1	107	OK
225	1868	1	107	OK
226	1876	1	107	OK
228	1892	1	107	OK
229	1901	0	107	OK
230	1909	1	107	OK
231	1917	1	107	OK
232	1926	0	107	OK
233	1934	0	107	OK
235	1951	1	107	OK
236	1959	1	107	OK
237	1967	1	107	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
239	1984	1	107	OK
240	1992	1	107	OK
241	2000	1	107	OK
243	2017	1	107	OK
244	2025	1	107	OK
245	2034	0	107	OK
246	2042	0	107	OK
248	2058	0	107	OK
249	2067	0	107	OK
250	2075	0	107	OK
251	2083	0	107	OK
252	2092	0	107	OK
253	2100	0	107	OK
254	2108	0	107	OK
255	2116	0	107	OK
256	2125	0	107	OK
257	2133	0	107	OK
258	2141	0	107	OK
259	2150	0	107	OK
260	2158	0	107	OK
262	2175	0	107	OK
263	2183	0	107	OK
264	2191	0	107	OK
265	2200	0	107	OK
266	2208	0	107	OK
267	2216	0	107	OK
268	2224	0	107	OK
269	2233	0	107	OK
270	2241	0	107	OK
271	2249	0	107	OK
272	2258	0	107	OK
273	2266	0	107	OK
274	2274	0	107	OK
275	2282	0	107	OK
276	2291	0	107	OK
277	2299	0	107	OK
278	2307	0	107	OK
279	2316	0	107	OK
280	2324	0	107	OK
281	2332	0	107	OK
282	2341	0	107	OK
283	2349	0	107	OK
284	2357	0	107	OK
285	2366	0	107	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
286	2374	0	107	OK
287	2382	0	107	OK
288	2390	0	107	OK
289	2399	0	107	OK
291	2415	0	107	OK
292	2424	0	107	OK
294	2440	0	107	OK
295	2448	0	107	OK
296	2457	0	107	OK
297	2465	0	107	OK
298	2473	0	107	OK
299	2482	0	107	OK
300	2490	0	107	OK
301	2498	0	107	OK
302	2507	0	107	OK
303	2515	0	107	OK
305	2532	0	107	OK
307	2548	0	107	OK
309	2565	0	107	OK
310	2573	0	107	OK
311	2581	0	107	OK
312	2590	0	107	OK
313	2598	0	107	OK
315	2614	0	107	OK
316	2623	0	107	OK
317	2631	0	107	OK
318	2639	0	107	OK
319	2648	0	107	OK
321	2664	0	107	OK
322	2673	0	107	OK
323	2681	0	107	OK
324	2689	0	107	OK
325	2698	0	107	OK
326	2706	0	107	OK
327	2714	0	107	OK
328	2722	0	107	OK
329	2731	0	107	OK
330	2739	0	107	OK
331	2747	0	107	OK
332	2756	0	107	OK
333	2764	0	107	OK
334	2772	0	107	OK
335	2781	0	107	OK
336	2789	0	107	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
337	2797	0	107	OK
338	2805	0	107	OK
340	2822	0	107	OK
341	2830	0	107	OK
342	2839	0	107	OK
343	2847	0	107	OK
344	2855	0	107	OK
345	2864	0	107	OK
346	2872	0	107	OK
347	2880	0	107	OK
348	2888	0	107	OK
349	2897	0	107	OK
350	2905	0	107	OK
351	2913	0	107	OK
352	2922	0	107	OK
353	2930	0	107	OK
355	2947	0	107	OK
357	2963	0	107	OK
358	2971	0	107	OK
359	2980	0	107	OK
360	2988	0	107	OK
362	3005	0	107	OK
364	3021	0	107	OK
365	3030	0	107	OK
366	3038	0	107	OK
367	3046	0	107	OK
368	3054	0	107	OK
369	3063	0	107	OK
370	3071	0	107	OK
374	3104	0	107	OK
375	3113	0	107	OK
376	3121	0	107	OK
380	3154	0	107	OK
381	3162	0	107	OK
382	3171	0	107	OK
383	3179	0	107	OK
384	3187	0	107	OK
385	3196	0	107	OK
386	3204	0	107	OK
389	3229	0	107	OK
390	3237	0	107	OK
392	3254	0	107	OK
393	3262	0	107	OK
394	3270	0	107	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
395	3279	0	107	OK
396	3287	0	107	OK
398	3303	0	107	OK
399	3312	0	107	OK
400	3320	0	107	OK
401	3328	0	107	OK
402	3337	0	107	OK
403	3345	0	107	OK
404	3353	0	107	OK
405	3362	0	107	OK
406	3370	0	107	OK
407	3378	0	107	OK
408	3386	0	107	OK
409	3395	0	107	OK
410	3403	0	107	OK
412	3420	0	107	OK
413	3428	0	107	OK
414	3436	0	107	OK
416	3453	0	107	OK
417	3461	0	107	OK
418	3469	0	107	OK
419	3478	0	107	OK
420	3486	0	107	OK
421	3494	0	107	OK
422	3503	0	107	OK
425	3528	0	107	OK
426	3536	0	107	OK
427	3544	0	107	OK
429	3561	0	107	OK
430	3569	0	107	OK
431	3577	0	107	OK
432	3586	0	107	OK
433	3594	0	107	OK
434	3602	0	107	OK
435	3611	0	107	OK
436	3619	0	107	OK
437	3627	0	107	OK
438	3635	0	107	OK
439	3644	0	107	OK
440	3652	0	107	OK
441	3660	0	107	OK
442	3669	0	107	OK
443	3677	0	107	OK
444	3685	0	107	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
445	3694	0	107	OK
446	3702	0	107	OK
447	3710	0	107	OK
448	3718	0	107	OK
449	3727	0	107	OK
450	3735	0	107	OK
451	3743	0	107	OK
452	3752	0	107	OK
453	3760	0	107	OK
454	3768	0	107	OK
455	3777	0	107	OK
456	3785	0	107	OK
457	3793	0	107	OK
458	3801	0	107	OK
459	3810	0	107	OK
460	3818	0	107	OK
461	3826	0	107	OK
462	3835	0	107	OK
463	3843	0	107	OK
464	3851	0	107	OK
465	3860	0	107	OK
466	3868	0	107	OK
467	3876	0	107	OK
468	3884	0	107	OK
469	3893	0	107	OK
470	3901	0	107	OK
471	3909	0	107	OK
472	3918	0	107	OK
473	3926	0	107	OK
474	3934	0	107	OK
475	3943	0	107	OK
476	3951	0	107	OK
477	3959	0	107	OK
478	3967	0	107	OK
479	3976	0	107	OK