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**Abstract of the report N° 10/01504**

**APPLICANT :** **TOYOTA MATERIAL HANDLING EUROPE**  
Av. du Bourget, 42  
1130 Bruxelles  
Belgique

**SUBJECT :** Comparison of dynamic stability of 5 forklift trucks according to the test procedure of the test applicant.  
English abstract of the French complete original report N° 10/01504.

**CONCLUSION :** See paragraph 3.

**Test Engineer :** Patrick BUFFIN

MONTLHERY, 14/06/2010

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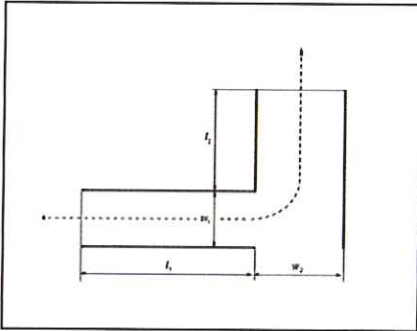
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### 1. PURPOSE OF THE TESTS

The tests have been performed to compare the dynamic stability of 5 forklift trucks while turning at 90° with decreasing exit aisle widths, following the test procedure "Dynamic stability tests for forklift truck" of the test applicant.



Truck	Référence	Width 2	Width 3	Width 4	Width 5	Width 6	Width 7
	Width 1	W2-10%	W2-15%	W2-20%	W2-25%	W2-30%	W2-35%
1	6,84	6,15	5,81	5,47	5,13	4,79	4,44
2	6,84	6,16	5,82	5,47	5,13	4,79	4,45
3	8,59	7,73	7,30	6,87	6,44	6,01	5,58
4	8,01	7,21	6,81	6,41	6,01	5,61	5,21
5	7,02	6,31	5,96	5,61	5,26	4,91	4,56

### 2. TESTED FORKLIFT TRUCKS



### 3. RATING AND COMMENTS

The following table gives the rating of the tested forklift trucks according to the different widths previously described.

The level of the rating is given by the last width passed successfully 3 times, among 10 attempts.

	Truck 1		Truck 2	Truck 3		Truck 4		Truck 5	
Driver	A	B	Not running correctly	A	B	A	B	A	
Rating	7	6		4	1	4	3	3	
Rear Wheel lifting *	0	0		15	6	16	4	2	
Comments								No B driver	

- Number of tests during which the inner rear wheel has lifted from ground

A total of 205 tests were performed (not counting truck 2, which was disqualified because it was not running correctly)

- Results show a difference depending on the driver skills.
- Driver A demonstrated the best ability to pass successfully the tests, on all the trucks.
- Forklift truck n°1 achieved the best results with both drivers.
- During the whole test program, only forklift truck n°1 did not experience inner rear wheel lifting with either driver. All other tested trucks experienced rear wheel lifting with all drivers;