

CEN/TC 98/WG 3
Fahrzeughebebühnen
Vehicle lifts
Elévateurs de véhicules



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN/TC 98/WG 3 N0034

To the members of CEN/TC 98/WG 3

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Your reference

Unsere Zeichen, Unsere Nachricht vom
Our reference

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09.03.2017

Report of Meeting of CEN/TC 98/WG 3 „Vehicle Lifts“ on 01/02 March 2017 in Mannheim

Participants: see doc. **N0035**

ITEM 1 Opening of the meeting and welcome of the delegates

The convenor Mr. Trabold welcomes the delegates and opens the meeting.

ITEM 2 Introduction of the delegates

Since there are some new participants a roll call of the delegates is performed.

ITEM 3 Adoption of the agenda (doc. no. N0033)

A new item 6 “Additional topics” with the topics

- controls (clause 5.3.1, Mr. Haase)
- arm locking systems (clause 5.9.5, Mr. Ratsimihah)
- extension of carrying arms (clause 5.9.5, Mr. Dallapiccola)
- one post vehicle lift where the column can be tilted (Mr. Dallapiccola)
- inquiry of EGEA WG1 for regularly testing procedure (Mr. Manganelli)

is added. With this complement the draft agenda is unanimously adopted.

ITEM 4 Adoption of the minutes of the meeting in Bologna 2016-06-21+22 (doc. N0028)

The minutes of the meeting in Bologna are adopted without any modification.

The still open points in the minutes are discussed. The results are documented in the list of comments (doc. **N0038**) and in the revised draft standard (doc. **N0039**).

To clause 5.4 (basic proposal see doc N0008)

It is decided to combine 5.4.1 and 5.4.2 in one clause and to mention only main requirements. Possible solutions for different types of vehicle lifts will be given in Annex B. A first new proposal is contained in doc. **N0037**, whose principal structure is accepted in the meeting. Mr. Manganeli will substantiate this proposal together with EGEA WG1.

To comment 29a

During the discussion of this comment it is decided that Mr. Haase will prepare (asking also other notified bodies) test methods (not only for clause 5.7.1) which will be presented in an own additional Annex.

To comment 48

In the new Table 4 a column with maximum wheel diameters shall be introduced. Mr. Fijnvandraat will provide values. A proposal for more requirements on the roll off safety device and a testing method is contained in doc. **N0037**. Mr. Fijnvandraat will provide another test method, based on the calculation methods, taking into consideration the capacity of the vehicle lift, wheel diameters etc.

The following two items, remaining from the meeting in Bologna 2016-06-21+22, are still to be discussed.

To comment 60

Proposals for new points in the user manuals will be prepared by the French delegation.

To Annex F

Mr. Greupner reported in Bologna that he was in the German institute IFA to discuss Annex F of EN 1493 in comparison to the requirement on remote controls for cranes. The result was that both requirements are on the same safety level. During the discussion in the WG the following question arose:

The headline of Annex F reads "Additional requirements for cableless controls and control systems". The question was, whether this Annex is also valid for e.g. bluetooth data transfer between the columns of a mobile column lift.

Mr. Trabold will clarify this with the IFA, maybe the headline of Annex F will then be changed.

ITEM 5 Discussion of the existing comments (doc. no. N0007) to EN 1493:2010 (doc. no. N0006)

No comment is discussed.

ITEM 6 Additional topics

6.1 Controls

Clause 5.3.1 of EN 1493 requires:

"Control devices shall be of the hold-to-run type and shall fulfil the conditions of performance level c of EN ISO 13849-1:2008. The stop-function shall comply with category 0 of 9.2.2 of EN 60204-1:2006."

Mr. Haase states that the usually used hold-to-run controls (push buttons) do not comply with performance level c. After discussion it is noticed that the wording of 5.3.1 is not correct, because a single element like the push button cannot comply to a performance level. Mr. Trabold will prepare a better wording together with the colleagues from the IFA.

6.2 Arm locking systems

Mr. Ratsimihah reports of vehicle lifts with carrying arms without arm locking systems (see doc. **N0036**).

It is discussed that on the shown vehicle lifts it is difficult, but possible, to install arm locking systems. Therefore it is decided to keep the existing requirement of 5.9.5 and give no exception for certain types of vehicle lifts. If a manufacturer wants to deviate from this requirement, he needs an EC type-examination.

6.3 Extension of carrying arms

Clause 5.9.5 of EN 1493 does not contain any requirement for end stops for the mechanism of extending carrying arms.

Mr. Dallapiccola reports about failure in such end stops after having extended the arms a few times (5-10 times). Due to this fact in 5.9.5 is added:

“Extendable parts of carrying arms shall be equipped with end stops preventing the arm to be disengaged. For test of the end stop refer to Annex XX.” Mr. Haase will prepare the wording for the test method.

6.4 One post vehicle lift where the column can be tilted

Mr. Dallapiccola shows pictures of a one post vehicle lift where the column can be tilted. This vehicle lift is used to disassemble cars. During the tilting procedure the centre of gravity of the car and the tilting parts of the vehicle lift is moving.

EN 1493 contains some requirements for vehicle lifts with the possibility to tilt, but e.g. to the calculation of forces and stresses nothing is said. Since there are not much vehicle lifts with tilting mechanisms it is decided

1. to exclude in the scope of EN 1493 vehicle lifts with tilting mechanisms and
2. to delete in EN 1493 each requirement in connection with tilting (3.1 Note 2, 5.6.2 and 5.9.4).

Proposal for addition in the scope:

This standard does not contain requirements for hazards which may arise on vehicle lifts where the load bearing parts can be tilt.

6.5 inquiry of EGEA WG1 for regularly testing procedure

Mr. Manganelli reports from an inquiry of EGEA WG1 to add requirements for regularly testing procedures of vehicle lifts in EN 1493. Since such requirements are subject to national regulations nothing is added.

During this discussion two publications (only available in German language) of the German Berufsgenossenschaften have been mentioned, which are enclosed for information (doc N0040 and N0041).

ITEM 7 Date and place of the next meeting

The next meetings will be held on

4 and 5 July 2017 in Mannheim and **29 and 30 November 2017** in Mannheim.

CEN/TC 98/WG 3

Convenor
Rolf Trabold