

Type-Approval Procedure

Information System of the German Type-Approval Authority

**EEC type-approval for mobile cranes according to Directive 2007/46/EEC;
- Requirements regarding to devices for indirect vision; field of vision of front mirrors
class VI**

Question or problem:

After coming into force of the Framework Directive 2007/46/EEC mobile cranes are described as special purpose vehicles in Annex VI of that Directive. The requirements to be fulfilled by mobile cranes are stated in Appendix 5 to Annex VI. Section 8 of that appendix refers to Directive 2003/97/EEC that describes requirements regarding to devices for indirect vision. By allocation of letter X to section 8 it is stated that no exemptions other than those specified in the regulatory act are permitted.

In practice the obstacle to visibility in the field of vision of the front mirror due to the installed hook bottom block may be more than the 10 % which are allowed according to Directive 2003/97/EEC Annex III section 5.8.2.

Under which circumstances is a positive expert opinion possible, in case of an obstacle to visibility of more than 10 %?

Result:

Evaluation may be carried out according to ECE Regulation no. 46 in the wording of the 02 series of amendments. Regarding to exterior mirrors section 15.2.4.8.2 may be taken as a basis. According to that stipulation also a mobile crane (over 7.5 t) must be equipped with a front mirror class VI. The field of vision may be restricted by more than 10 %, if the degree of restriction is caused by the special purpose as a mobile crane.

If this approach is applied in connection with a technical report for granting of a type-approval, it will be necessary to state the extent of the obstacle to visibility. Furthermore it will be necessary to state, if that extent of the obstacle to visibility exceeds the extend unavoidable due to the special purpose of the vehicle.

Flensburg, den 18.06.2009
412-104.08
Helge Asmussen