II

(Acts whose publication is not obligatory)

COMMISSION

COMMISSION DIRECTIVE

of 16 December 1988

adapting to technical progress Council Directive 86/663/EEC on the approximation of the laws of the Member States relating to self-propelled industrial trucks

(89/240/EEC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community,

Having regard to Council Directive 86/663/EEC of 22 December 1986 on the approximation of the laws of the Member States relating to self-propelled industrial trucks (1), and in particular Article 10 thereof,

Whereas Directive 86/663/EEC expressly authorizes the adoption of test examination methods for self-propelled industrial trucks according to the procedure for adaptation to technical progress set out in Article 22 of Council Directive 84/528/EEC of 17 September 1984 on the approximation of the laws of the Member States relating to common provisions for lifting and mechanical handling appliances (2);

Whereas the adoption of these test and examination methods is necessary to ensure the conformity of self-propelled industrial trucks with the technical requirements concerning them in Directive 86/663/EEC;

Whereas the date of implementation of this Directive should be the same as that laid down by Directive 86/663/EEC with a view to achieving the desired objective;

Whereas the provisions of this Directive are in accordance with the opinion of the committee for adaptation to technical progress of the directives aimed at the elimination of technical barriers in the mechanical lifting and handling appliances and equipment sector,

HAS ADOPTED THIS DIRECTIVE:

Article 1

Stability, visibility and functional tests for self-propelled industrial trucks falling within the scope of Directive 86/663/EEC shall be carried out in accordance with the methods set out in the Annex.

Article 2

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive so that those provisions enter into force on the same date at those taken to comply with Directive 86/663/EEC. They shall fortwith inform the Commission thereof.

2. Member States shall ensure that the texts of the provisions of national law which they adopt in the field governed by this Directive are communicated to the Commission.

Article 3

This Directive is addressed to the Member States.

Done at Brussels, 16 December 1988.

For the Commission
COCKFIELD
Vice-President

(1) OJ No L 384, 31. 12. 1986, p. 12.
(2) OJ No L 300, 19. 11. 1984, p. 72.

ANNEX

TEST METHODS FOR SELF-PROPELLED INDUSTRIAL TRUCKS

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METHOD No 1

STABILITY TESTS FOR COUNTERBALANCED TRUCKS

1. OBJECTIVE AND SCOPE

These requirements specify the basic tests for the verification of stability of counterbalanced trucks (pedestrian and rider controlled) up to and including 10 000 kg rated capacity with tiltable or non-tiltable mast or fork arms. It is applicable to trucks fitted with fork arms and/or attachments, but does not apply to trucks when adapted for use with suspended loads which may swing freely.

2. CONDITIONS OF VALIDITY

The following stability tests in these requirements ensure that the type of truck specified has satisfactory stability when reasonably and appropriately used under normal operating conditions, namely:

(a) operating (travelling and stacking) on substantially smooth, level and prepared surfaces;

(b) travelling with the mast or fork arms tilted backwards and the load in the lowered (travelling) position;

(c) stacking with the mast substantially vertical and the fork arms substantially horizontal;

(d) operating with the load centre of gravity approximately on the longitudinal centre plane of the truck.

Where operating conditions differ from normal, reference shall also be made to methods No 9, No 10 and No 11.

3. CONDITIONS OF TEST

3.1. **Equipment and method**

Stability shall be verified by means of the tests described hereafter using a test platform which can be tilted about one side.

The truck under test shall be placed on the platform, which is initially in the horizointal plane, sequentially in the positions described in the table of tests. For each of the truck positions, the platform shall be tilted slowly and smoothly to the slope indicated in the table. The truck is considered stable if it passes all the tests without overturning.

For the purpose of these tests, the overturning value of the test platform's slope is that which, if increased, would produce complete overturning of the truck. It is permissible in lateral tests for one of the load wheels to lose contact with the platform, and it is acceptable for parts of the structure or other designed features to make contact with the test platform.

3.2. **Condition of the truck**

3.2.1. *General*

The tests shall be carried out with the truck ready for use without operator (fuel tanks of engined trucks shall be full if stability is thereby reduced; all other tanks shall be filled to their correct operating levels). The load-carrying means shall be fully equipped with any protective or supplementary lifting apparatus supplied as original equipment, and the mast or fork arms, if adjustable for tilt, shall be positioned in accordance with the table of tests. Where applicable, tyres shall be inflated to the pressures specified by the manufacturer, and where tyre ballast is permitted it shall be used in accordance with the manufacturer's instructions.

3.2.2. *Verification of the vertical position of the mast*

Before starting test No 1 the vertical position of the mast shall be verified by means of a plumb-line or other suitable equipment.

Projection onto the horizontal platform of the centre of gravity G (or any other point such as E having a fixed relationship to G) shall, at the selected test height, by the same as with the load lowered to the normal