This document is meant purely as documentation tool and the institutions do not assume any liability for its contents

►**B**

COUNCIL DIRECTIVE

of 28 June 1977

on the approximation of the laws of the Member States relating to the measures to be taken against the emission of pollutants from diesel engines for use in wheeled agricultural or forestry tractors

(77/537/EEC)

(OJ L 220, 29.8.1977, p. 38)

Amended by:

		Official Journal		
		No	page	date
►**M1**	Council Directive 82/890/EEC of 17 December 1982	L 378	45	31.12.1982
►**M2**	Directive 97/54/EC of the European Parliament and of the Council of 23 September 1997	L 277	24	10.10.1997

▼B

COUNCIL DIRECTIVE

of 28 June 1977

on the approximation of the laws of the Member States relating to the measures to be taken against the emission of pollutants from diesel engines for use in wheeled agricultural or forestry tractors

(77/537/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Parliament ([1]),

Having regard to the opinion of the Economic and Social Committee ([2]),

Whereas the technical requirements which tractors must satisfy pursuant to national laws relate *inter alia* to the emission of pollutants from diesel engines for use in tractors;

Whereas those requirements differ from one Member State to another; whereas it is therefore necessary that all the Member States adopt the same requirements, either in addition to or in place of their existing rules, in order, in particular, to allow the EEC type-approval procedure which was the subject of Council Directive 74/150/EEC of 4 March 1974 on the approximation of the laws of the Member States relating to the type-approval of wheeled agricultural or forestry tractors ([3]), to be applied in respect of each type of tractor;

Whereas the approximation of national laws relating to tractors entails reciprocal recognition by Member States of the tests carried out by each of them on the basis of common requirements,

HAS ADOPTED THIS DIRECTIVE:

Article 1

1. 'Agricultural or forestry tractor' means any motor vehicle, fitted with wheels or endless tracks, having at least two axles, the main function of which lies in its tractive power and which is specially designed to tow, push, carry or power certain tools, machinery or trailers intended for agricultural or forestry use. It may be equipped to carry a load and passengers.

▼M1

2. This Directive shall apply only to tractors defined in paragraph I which are equipped with pneumatic tyres and have at least two axles and a maximum design speed of between 6 and ►M2 40 km/h ◄.

▼B

Article 2

No Member State may refuse to grant a tractor EEC type-approval or national type-approval on the grounds that pollutants are emitted by the diesel engine which drives the tractor if the tractor satisfies the requirements laid down in Annexes I, II, III, IV and VI.

([1]) OJ No C 125, 8. 6. 1976, p. 51.
([2]) OJ No C 197, 23. 8. 1976, p. 16.
([3]) OJ No L 84, 28. 3. 1974, p. 10.

▼B

Article 3

No Member State may refuse the registration or may prohibit the sale, entry into service or use of any tractor on the grounds that pollutants are emitted by the diesel engine which drives the tractor if the tractor satisfies the requirements laid down in Annexes I, II, III, IV and VI.

Article 4

The Member State which has granted type-approval shall take the necessary measures to ensure that it is informed of any modification of a part or characteristic referred to in 2.2 of Annex I. The competent authorities of that State shall determine whether fresh tests should be carried out on the modified tractor and a fresh report drawn up. Where such tests reveal a failure to comply with the requirements of this Directive, the modification shall not be approved.

Article 5

The amendments necessary to adapt the provisions of Annexes I to X to this Directive to take account of technical progress shall be adopted in accordance with the procedure laid down in Article 13 of Directive 74/150/EEC.

Article 6

1. Member States shall bring into force provisions containing the provisions necessary in order to comply with this Directive within 18 months of its notification and shall forthwith inform the Commission thereof.

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

Article 7

This Directive is addressed to the Member States.

▼B

ANNEX I([1])

DEFINITIONS, APPLICATION FOR EEC TYPE-APPROVAL, SYMBOL OF THE CORRECTED ABSORPTION COEFFICIENT, SPECIFICATIONS AND TESTS AND CONFORMITY OF PRODUCTION

(1.)

2. DEFINITIONS

For the purposes of this Directive:

(2.1.)

2.2. '*tractor type as regards the limitation of the emission of pollutants from the engine*' means tractors which do not differ in such essential respects as the tractor and engine characteristics defined in Annex II;

2.3. '*diesel engine*' means an engine which works on the compression-ignition principle;

2.4. '*cold-start device*' means a device which by its operation temporarily increases the amount of fuel supplied to the engine and is intended to facilitate the starting of the engine;

2.5. '*opacimeter*' means an instrument for continuous measurement of the absorption coefficients of the light by the exhaust gases emitted by tractors.

3. APPLICATION FOR EEC TYPE-APPROVAL

3.1. The application for approval must be submitted by the tractor manufacturer or by his duly accredited representative.

3.2. It must be accompanied by the undermentioned documents in triplicate and the following particulars:

3.2.1. a description of the engine type including all the particulars referred to in Annex II;

3.2.2. drawings of the combustion chamber and of the upper face of the piston.

3.3. An engine and the equipment prescribed in Annex II to this Regulation, for fitting to the tractor to be approved, shall be submitted to the technical service conducting the approval tests defined in 5. However, if the manufacturer so requests and the technical service conducting the approval tests agrees, a test may be carried out on a tractor representative of the tractor type to be approved.

3a. EEC TYPE-APPROVAL

A certificate conforming to that shown in Annex X shall be attached to the EEC type-approval certificate.

4. SYMBOL OF THE CORRECTED ABSORPTION COEFFICIENT

(4.1.)

(4.2.)

(4.3.)

4.4. To every tractor conforming to a tractor type approved under this Regulation there shall be affixed, conspicuously and in a readily accessible place specified in the Annex to the type-approval certificate shown in Annex X, a symbol being a rectangle surrounding a figure expressing in $m^{-1}$the corrected absorption coefficient obtained, at the time of approval, during the test under free acceleration, and determined at the time of approval by the method described in 3.2 of Annex IV.

4.5. The symbol must be clearly legible and indelible.

([1]) The text of the Annexes is similar to that of Regulation No 24 of the UN Economic Commission for Europe; in particular the breakdown into items is the same. For this reason, where an item of Regulation No 24 has no counterpart in this Directive, its number is given in brackets as a token entry.

▼B

4.6. Annex IX gives an example of the symbol.

5. SPECIFICATIONS AND TESTS

5.1. **General**

The components liable to affect the emission of pollutants shall be so designed, constructed and assembled as to enable the tractor in normal use, despite the vibration to which it may be subjected, to comply with the provisions of this Directive.

5.2. **Specifications concerning cold-start devices**

5.2.1. The cold-start device shall be so designed and constructed that it cannot be brought into or kept in action when the engine is running normally.

5.2.2. The provisions of 5.2.1 above shall not apply if at least one of the following conditions is met:

5.2.2.1. the light absorption coefficient of the gases emitted by the engine at steady speeds when measured by the method described in Annex III with the cold-start device operating is within the limits prescribed in Annex VI;

5.2.2.2. keeping the cold-start device in operation causes the engine to stop within a reasonable time.

5.3. **Specifications concerning the emission of pollutants**

5.3.1. The emission of pollutants by the tractor type submitted for approval shall be measured by the two methods described in Annexes III and IV, relating respectively to tests at steady speeds and to tests under free acceleration ([1]).

5.3.2. The emission of pollutants, as measured by the method described in Annex III, shall not exceed the limits prescribed in Annex VI.

5.3.3. In the case of engines with an exhaust-driven supercharger, the absorption coefficient measured under free acceleration shall not exceed the limit prescribed in Annex VI for the nominal flow value corresponding to the maximum absorption coefficient measured during the tests at steady speeds, plus 0·5 m^{-1}.

5.4. Equivalent measuring instruments shall be allowed. If an instrument other than those described in Annex VII is used, proof of its equivalence for the engine considered shall be required.

(6.)

7. CONFORMITY OF PRODUCTION

7.1. Every tractor in the series must conform, with regard to components affecting the emission of pollutants by the engine, to the tractor type approved.)

(7.2.)

7.3. As a general rule conformity of the tractor with the approved type as regards the emission of pollutants from diesel motors shall be verified on the basis of the description given in the Annex to the EEC approval certificate shown in Annex X. In addition:

7.3.1. where a check is carried out on a vehicle taken from the series, the tests shall be carried out as follows:

7.3.1.1. a tractor which has not been run in shall be subjected to the test under free acceleration described in Annex IV. The vehicle shall be deemed to conform to the approved type if the absorption coefficient determined does not exceed the figure shown in the approval mark by more than 0·5 m^{-1};

7.3.1.2. if the figure determined in the test referred to in 7.3.1.1 above exceeds the figure shown in the approval mark by more than 0·5 m^{-1}, a tractor of the type considered or its engine shall be subjected to the test at steady

([1]) A test under free acceleration shall be carried out, particularly in order to provide a reference figure for administrations which use this method to check vehicles in use.