

9 November 2015

Agreement

Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions*

(Revision 2, including the amendments which entered into force on 16 October 1995)

Addendum 18 – Regulation No. 19

Revision 7 - Amendment 3

Supplement 8 to the 04 series of amendments – Date of entry into force: 8 October 2015

Uniform provisions concerning the approval of power-driven vehicle front fog lamps

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2015/16.



UNITED NATIONS

* Former title of the Agreement: Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958.

Insert a new paragraph 3.5.3., to read:

"3.5.3. If the LED module(s) are non-replaceable, the markings for LED module(s) are not required."

Annex 1,

Item 10.3., amend to read:

"10.3. LED module(s): yes/no² and for each LED module a statement whether it is replaceable or not: yes/no² "

Annex 5,

Paragraph 1.2.1.1., amend to read;

"1.2.1.1. Test mixture

1.2.1.1.1. For front fog lamps with the outside lens in glass:

The mixture of water and a polluting agent to be applied to the front fog lamp shall be composed of:

- (a) 9 parts by weight of silica sand with a particle size of 0-100 µm,
- (b) 1 part by weight of vegetal carbon dust produced from beech wood with a particle size of 0-100 µm,
- (c) 0.2 part by weight of NaCMC⁴,
- (d) 5 parts by weight of sodium chloride (pure at 99 per cent), and
- (e) An appropriate quantity of distilled water with a conductivity of $S < 1 \mu\text{S/m}$.

The mixture must not be more than 14 days old.

1.2.1.1.2. For front fog lamp with outside lens in plastic material:

The mixture of water and polluting agent to be applied to the front fog lamp shall be composed of:

- (a) 9 parts by weight of silica sand with a particle size of 0-100 µm,
- (b) 1 part by weight of vegetal carbon dust produced from beech wood with a particle size of 0-100 µm,
- (c) 0.2 part by weight of NaCMC⁴,
- (d) 5 parts by weight of sodium chloride (pure at 99 per cent),
- (e) 13 parts by weight of distilled water with a conductivity of $S < 1 \mu\text{S/m}$, and
- (f) 2 ± 1 parts by weight of surface-actant.⁵

The mixture must not be more than 14 days old."

Annex 12,

Paragraph 4.6., amend to read:

"4.6. UV-radiation

The UV-radiation of a low-UV-type LED module or light-generator shall be such that:

.....

(For definitions of the other symbols see paragraph 4.5.1. above)

This value shall be calculated using intervals of one nanometre. The UV-radiation shall be weighted according to the values as indicated in the UV table below.

λ	$S(\lambda)$	λ	$S(\lambda)$	λ	$S(\lambda)$
250	0.430	305	0.060	355	0.000 16
255	0.520	310	0.015	360	0.000 13
260	0.650	315	0.003	365	0.000 11
265	0.810	320	0.001	370	0.000 09
270	1.000	325	0.000 50	375	0.000 077
275	0.960	330	0.000 41	380	0.000 064
280	0.880	335	0.000 34	385	0.000 053
285	0.770	340	0.000 28	390	0.000 044
290	0.640	345	0.000 24	395	0.000 036
295	0.540	350	0.000 20	400	0.000 030
300	0.300				

UV Table

Values according to other values should be interpolated."

Paragraph 4.7.2., amend to read:

"4.7.2. Colour

The colour of the light emitted, measured after 1 minute and measured after photometric stability has been obtained, as described in paragraph 4.7.1.3. of this annex, shall be within the required colour boundaries in both instances."
