Vehicle Certification Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED (1)/ ~~APPROVAL EXTENDED~~ (1)/ ~~APPROVAL REFUSED~~ (1)/ ~~APPROVAL WITHDRAWN~~ (1)/ ~~PRODUCTION DEFINITELY DISCONTINUED~~ (1) OF A TYPE OF PNEUMATIC TYRE FOR MOTOR VEHICLES PURSUANT TO REGULATION NO. 106.

E11 Approval No: E11*106R00/14*4963*00

1. Manufacturer's name or trade mark (s) of the tyre: ÖZKA/SEHA/GTK

2. Tyre type designation by the manufacturer: 11.2-20 (FRONT FARM)

3. Manufacturer's name and address:

ÖZKA LASTİK VE KAUÇUK SANAYİ TİCARET A.Ş.
Mahmutpaşa Mah. Kanalyolu Cad. No: 129, 41140
Başiskele / Kocaeli / Turkey

4. If applicable, name and address of manufacturer's representative:

Bedriye AKINCI
Donatusstrasse 127-129 50259
Pulheim (Brauweiler) / Germany

Digitally signed by Cherdivara Ion
Date: 2024.04.30 09:36:12 EEST
Reason: MoldSign Signature
Location: Moldova

5. Summarized description:

5.1. Size of tyre: 11.2-20 8PR

5.2. Category of use: Tractor - steering wheel

5.3. Structure: diagonal (bias-ply)/~~bias belted~~/~~radial~~ (1)

5.4. Speed category symbol: A6

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29-Jun-18

5.5. Load-capacity index: 113

5.5.1. For traction (implement only): Not applicable

5.5.2. For trailer (implement only): Not applicable

5.6. Whether the tyre is to be fitted with or without an inner tube: With an inner tube / without an inner tube

5.7. The supplementary service description, if applicable: Not applicable

6. Technical Service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity: Vehicle Certification Agency

7. Date of report issued by that service: 08 March 2018

8. Number of report issued by that service: TST416025

9. Reason(s) of extension (if applicable): Not applicable

10. Any remarks: None

11. Place: BRISTOL

12. Date: 29 JUNE 2018

13. Signature: D LAWLOR
Chief Technical and Statutory Operations Officer

14. Annexed to this communication is a list of documents in the approval file deposited at the Administrative Services having delivered the approval and which can be obtained upon request

(1) Strike out what does not apply.

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29-Jun-18

Vehicle Certification Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*106R00/14*4963*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Conformity of Production (COP) Declaration	**COP Confirmed**
Assessment Method	**ISO/TS Cert and Control Plans**
Date of Initial Clearance	**December 2014**
Date of Last Clearance	**August 2016**

Total number of sheets: 04 (Four)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

UK Approval Authority | Vehicle Certification Agency
29-Jun-18

ÖZKA	**INFORMATION DOCUMENT ACCORDING TO ECE R106.00 Supplement 14** **UNIFORM PROVISIONS CONCERNING THE APPROVAL OF PNEUMATIC TYRES FOR AGRICULTURAL VEHICLES AND THEIR TRAILERS**	**Document Number**	ÖZKA-FRONT FARM-015
		Original Date	19.12.2017
		Extension Number	0
		Extension Date	-

1. GENERAL

1.1.	**Make (trade name or mark)**	:	ÖZKA/SEHA/GTK
1.2.	**Company name and address of manufacturer**	:	ÖZKA LASTİK VE KAUÇUK SANAYİ TİCARET A.Ş. MAHMUTPAŞA MAH. KANALYOLU CAD. NO :129 41140 BAŞİSKELE/KOCAELİ/TURKEY
1.3.	**Name(s) and address(es) of assembly plant(s)**	:	ÖZKA LASTİK VE KAUÇUK SANAYİ TİCARET A.Ş. HEAD OFFİCE 1 : MAHMUTPAŞA MAH. KANALYOLU CAD. NO :129 41140 BAŞİSKELE/KOCAELİ/TURKEY BRANCH OFFİCE 2 : KARADENİZLİLER MAH. BAŞYİĞİT CAD. NO :178 BAŞİSKELE/KOCAELİ/TURKEY
1.4.	**Name and address of the manufacturer's representative**	:	Bedriye AKINCI Donatusstrasse 127-129 50259 Pulheim (Brauweiler)/Germany

2. CHARACTERISTICS OF THE TYRES

2.1.	**Tyre type designation**	:	11.2-20 (FRONT FARM)
2.2.	**The tyre size designation**	:	11.2-20 8PR
2.3.	**The category of use**	:	Tractor - steering wheel
2.4.	**The structure**	:	DIAGONAL (BIAS-PLY)
2.5.	**The speed category symbol**	:	A6
2.6.	**The load-capacity index of the tyre, specifying in case of implement tyres that for traction (only) and that for trailer application, if applicable**	:	113
2.7.	**Whether the tyre is to be fitted with or without an inner tube**	:	TUBELESS TUBE TYPE
2.8.	**The supplementary service description, if applicable**	:	Not Applicable

2.9.	**The tyre/rim configuration**	:	W10

2.10.	**The inflation pressure (PSI) for Measurements**	:	38 psi

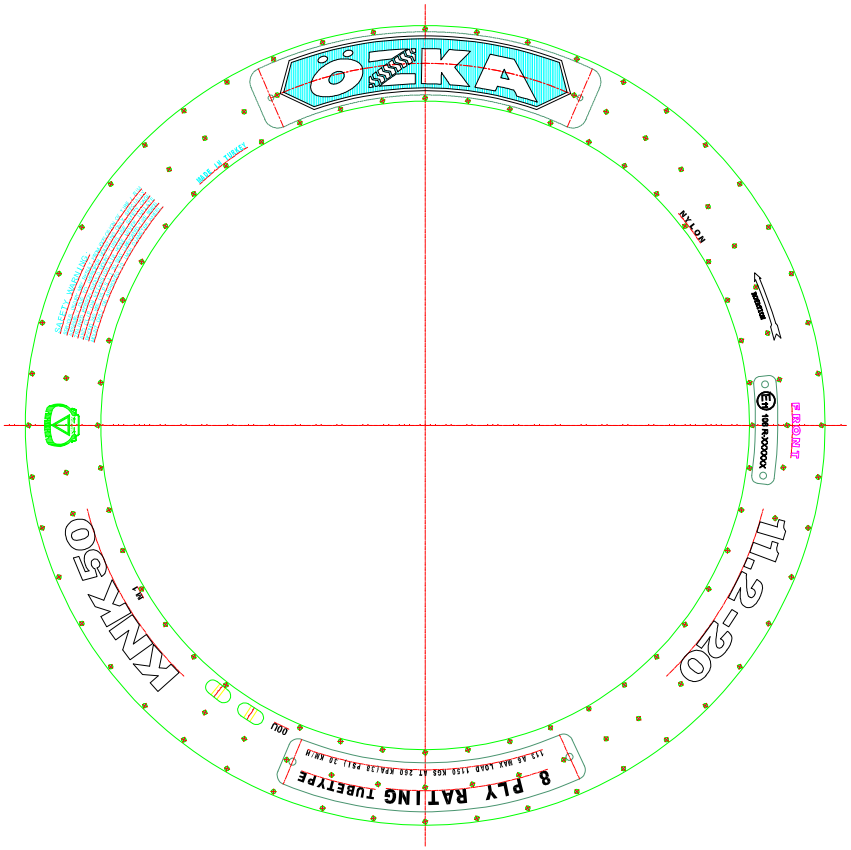
LIST OF ANNEXES

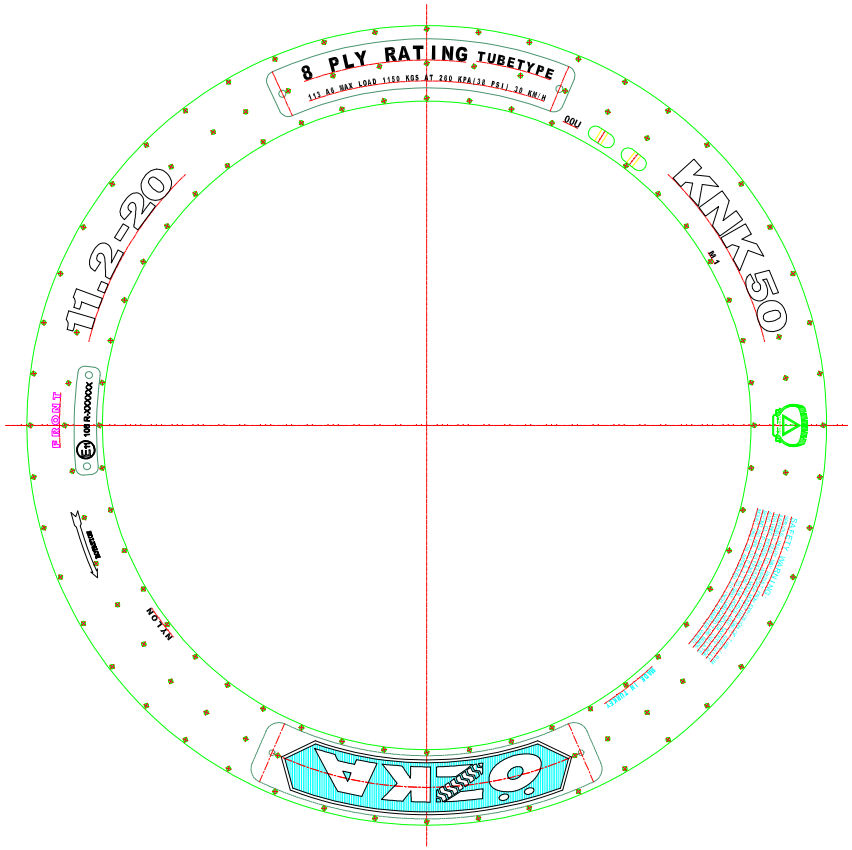
ANNEX-1 RANGE OF TYRE SIZES											
Tyre Size	PLY RATING (PR)	TUBELESS/ TUBE TYPE	The tyre/rim configuration		Inflated Unloaded Dimensions		Service Description		Load and Pressure		Catagory of Use
			RIM (PERMITTED)	RIM (ALTERNATIVE)	Section Width (mm)	Overall Diameter (mm)	Load Index	Speed Index	Tyre Load Capacity (kg)	Tyre Pressure (Psi)	
FRONT FARM											
11.2-20	8	TUBELESS/TUBE TYPE	W10	-	285	1005	113	A6	1150	38	TRACTOR - STEERING WHEEL

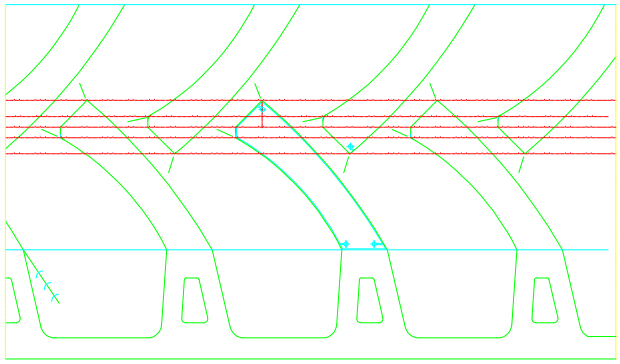
RevNo	Revision note	Date	Signature	Checked

1/1

ANNEX-2







	Material	Revizyon no / tarih Revision no / date		Mak. no / Mac. no	Tarih/Date
					22.03.2018
Yusuf ERDOGAN Çizen Drawn by	T.ERSOY Kontrol Checked by	K. ÇİFTCİ Onay Approved by	Dizayn-Tasarim Designed by	Parça no / Part no	Format
			ölçek scala 1:1		
Alakali çizim Relevant Drawing					
Parça adi Description	11.2-20 KNK50			ÖZKA LASTİK VE KAUÇUK	

Vehicle Certification Agency

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Eastgate Road, Bristol, BS5 6XX, United Kingdom
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Report Number: TST416025 Issue: 0

Test Report: Pneumatic Tyres for Agricultural Vehicles

Legislation

UNECE Regulation 106.00 to Supplement 14

Test Details

Location of Test:	Mobilite Laboratory, Sanayi Mah.Yankı Sokak No:130/B, Kocaeli/Turkey
Date of Test:	21 February 2018
VCA Representative(s):	Onur Yavuz
Manufacturer's Representative(s):	No attendance
Reason for Test Report:	New approval / ~~Extension of approval~~ / ~~Test report only~~

Manufacturer Details

Name and Address:	ÖZKA LASTİK VE KAUÇUK SANAYİ TİCARET A.Ş. MAHMUTPAŞA MAH. KANALYOLU CAD. NO :129, 41140 BAŞİSKELE/KOCAELİ/TURKEY
Type:	11.2-20 (FRONT FARM)
Commercial Description:	Not applicable
Category:	Tractor - steering wheel

Conclusion

The above mentioned tyre was tested in accordance with the above mentioned legislation and was found to comply in all respects.

Signature:

Name:	Onur Yavuz
Position:	Type Approval Engineer
Date:	08.03.2018

List of Annexes

Annex	No of Pages	Subject
A	4	Information document no. ÖZKA-FRONT FARM-015, dated 19.12.2017

Worst Case Rationale

The worst case tyre criteria for the burst resistance test was chosen according to the dimensionally biggest tyre with the highest inflation pressure. Only the burst test carried out due to the tyres are in A6 category.

11.2 – 20 8PR tyre was tested with max. 10 bar test pressure acc. to Annex 8 of ECE R106 to cover other tyres. The results are given in this report and are valid for the tyre size designation mentioned in the Annex 1 of information document.

Note: Include information on variants and versions this report covers, as applicable

Tests Required

	Yes, NA, See Report … / Approval … / Annex …
Markings:	Yes
Section Width:	Yes
Outer Diameter:	Yes
Tyre Resistance to Bursting Test:	Yes
Load/Speed Test:	NA

Tyre Specification

Tyre Size Designation:	11.2-20 8PR
Category of Use:	Tractor - steering wheel
Structure:	Diagonal (Bias Ply)
Speed Category Symbol:	A6
Load Capacity Index:	113

Manufacturer's Documentation

Manufacturer's documentation is complete and reflects the agreed specification for the tyre tested and covers all variants and versions agreed in the worst case rationale. Yes

Facility and Equipment Checks

Calibration certificates checked and valid, recorded in the following table: Yes

Equipment	Serial / Certificate No.	Calibration due*
Calliper	1110251/ 17-25056	05.2018
Tape measure	17-38977	08.2018
Pressure Gauge	17-38654	08.2018

**Specify calibrated date + (interval) or calibration due date.*

	Test Requirements	Complies Yes / NA
	Markings	
3.1.	Tyres bear:	
3.1.1.	Manufacturer's trade name or mark;	Yes
3.1.2.	Tyre size designation, as defined in paragraph 2.15;	Yes
3.1.3.	An indication of the structure as follows:	Yes
3.1.3.1.	- On diagonal (bias-ply) tyres, no additional marking*	
3.1.3.2.	- ~~On radial-ply tyres, optionally, the word 'RADIAL'*~~	
3.1.3.3.	- ~~On bias-belted tyres, the words 'BIAS-BELTED'*~~	
	~~Strikethrough~~, as appropriate.	
3.1.4.	'Service description', as defined in paragraph 2.26;	Yes
3.1.4.1.	In the case of an implement tyre, the service description supplemented with the relevant application symbol;	NA
3.1.4.2.	In the case of an implement tyre for mixed applications, two service descriptions – one for 'trailer' applications and the other for 'traction';	NA
3.1.5.	Supplementary service description, if applicable;	NA
3.1.6.	In the case of a special tread tyre, inscription 'DEEP' (or 'R-2');	NA
3.1.7.	In the case of a tractor steering wheel tyre that is not already marked, as per paragraph 2.15.6, the inscription:	NA
	- 'F-1'*	
	- 'F-2'*	
	- 'F-3*	
	~~Strikethrough~~, as appropriate.	
3.1.8.	In the case of tyres for forestry machines, the inscription: 'LS-1', 'LS-2', 'LS-3' or 'LS-4' in the case of tyres for forestry machines:	NA
	- 'LS-1'*	
	- 'LS-2'*	
	- 'LS-3'*	
	- 'LS-4'*	
3.1.8.1.	*Note: 'LS-3' identifies special tread tyres.*	
	~~Strikethrough~~, as appropriate.	
3.1.8.2.	Inscription 'I-3' for implement tyres with traction tread, as identified in Annex 5, Tables 5 and 6;	NA
3.1.9.	Inscription 'IMPLEMENT' in the case of an implement tyre that is not already marked, as per paragraph 2.15.5;	NA

3.1.10.	Word 'TUBELESS' if the tyre is designed for use without an inner tube;		Yes
3.1.11.	Inscription '… bar MAX' (or '… kPa MAX') inside the pictogram shown in Annex 11, to notify the cold inflation pressure that shall not be exceeded for bead seating during tyre mounting;		Yes
3.1.12.	Inscription 'IF' in front of the tyre size designation when the tyre is an 'Improved Flexion Tyre';		NA
3.1.12.	Inscription 'VF' in front of the tyre size designation when the tyre is a 'Very High Flexion Tyre';		NA
3.1.13.	Inscription 'R-4' in the case of a construction application tyre identified in Annex 5, Table 9, which is not already marked, as per paragraph 2.15.11.		NA
3.2.	Inscriptions 'CFO' or 'CHO', if applicable, may be marked after the nominal rim diameter.		NA
3.3.	Tyre is marked with the date of manufacture in the form of a group of four digits, the first two showing the week and the last two the year of manufacture: *Note: This marking is not mandatory on any tyre submitted for approval until two years after the date of entry into force of this regulation.*	0518	Yes
3.4.	Tyre bears the ECE tyre type approval mark, the model of which is given in Annex 2.		Yes
	Position of Markings		
3.5.1.	Markings referred to in paragraph 3.1 are moulded on both sidewalls of the tyre.		Yes
3.5.2.	Markings referred to in paragraphs 3.2 and 3.3 are moulded on one sidewall only.		Yes
3.5.3.	All markings are clearly and legibly moulded, and produced as part of the process during manufacture. The use of branding or other methods of marking after completion of the original manufacturing process is not permitted.		Yes
3.6.	*Note: Annex 3 gives examples of the arrangement of tyre markings.*		

Section Width

6.1.1. Section width calculated by $S = S_1 + K (A-A_1)$: 284 mm — Yes

S is the section width (in mm) related to the measuring rim;

S_1 is the nominal section width (in mm) as shown on the sidewall of the tyre in the tyre designation;

A is the width (in mm) of the measuring rim;

A_1 is the width (in mm) of the theoretical rim;

K is 0.4.

6.1.2. *Note: For the types of tyre for which the size designation is given in the first column of the tables in Annex 5, the theoretical rim width (A_1) and the nominal section width (S_1) are given opposite the tyre designation in those tables.*

6.1.2. Measured overall width: 287 mm — Yes

6.3.2. Overall width of the tyre does not exceed the section width by more than: — Yes

- Radial construction - + 5 %;
- Diagonal (bias) construction + 8 %.

6.3.3. *Note: For the types of tyre for which the size designation is given in the first column of the tables in Annex 5, the allowed percentages are those given in the relevant tables, if any.*

6.3.1. *Note: Overall width may be less than the section width.*

Outer Diameter

6.2.1. Outer diameter calculated by D = d + 2 H: 1005 mm — Yes

D is the outer diameter (in mm);

d is the conventional number denoting the nominal rim diameter (in mm);

H is the nominal section height (in mm) and is equal to 0.01 x Ra x S_1.

6.2.2. *Note: For the types of tyres for which the size designation is given in the first column of the tables in Annex 5, the outer diameter (D) and the nominal rim diameter (d) are given opposite the tyre designation in those tables.*
(Measured outer diameter D=1001 mm)

6.4.1. Outer diameter of the tyre is not outside the values D_{min} and D_{max}. — Yes

D_{min} = d + 2 (H x a); ***508+2x(249x0,96)=986,1 mm***

D_{max} = d + 2 (H x b). ***508+2x(249x1,07)=1040,9 mm***

H and d are defined in 6.2.1 above.

6.4.1.1. *For sizes listed in Annex 5, H = 0.5 (D - d).* ***(H=(1005-508)/2=249 mm)***

6.4.2. *Coefficients 'a' and 'b' are respectively:*

Category of Use	*Radial*		*Diagonal (bias)*	
	a	*b*	*a*	*b*
Steering wheels	*0.96*	*1.04*	*0.96*	*1.07*
Tractor drive wheels and forestry machines – normal	*0.96*	*1.04*	*0.96*	*1.07*
Tractor drive wheels and forestry machines – special	*1.00*	*1.12*	*1.00*	*1.12*
Implement	*0.96*	*1.04*	*0.96*	*1.07*
Construction applications	*0.96*	*1.04*	*0.97*	*1.07*

6.4.3. *Note: For the types of tyre for which the size designation is given in the first column of the tables in Annex 5, the allowed percentages are those given in the relevant tables, if any.*

Vehicle Certification Agency

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Tyre Resistance to Bursting Test

Preparing the Tyre

Ann 8, 1.1.	Tyre mounted on new test equipment. Wheels used for the test are suitable to withstand, with no deformation, the highest value of pressure achievable during the test.	Yes
Ann 8, 1.2.	Beads carefully centred on the retention device and outer distance of the tyre beads adjusted to a value corresponding to the width of the rim specified by the manufacturer.	Yes
Ann 8, 1.3.	Tyre filled with water, taking care that all the air inside the tyre is expelled.	Yes

Test Procedure

Ann 8, 2.1.	Apparatus activated and the pressure of the water inside the tyre is increased in order to progressively reach the limit given by two and half times the pressure specified by the tyre manufacturer.		Yes
Ann 8, 2.1.1.	Limit value is not lower than 6 bar (600 kPa) or higher than 10 bar (1,000 kPa):	1000 kPa	Yes
Ann 8, 2.2.	Value of the pressure maintained constant for at least 10 minutes.		Yes
Ann 8, 2.3.	Pressure of the water progressively decreased to zero and tyre drained.		Yes
Ann 8, 2.4.	Whilst the pressure of the water inside the tyre is higher than the ambient pressure, nobody stands inside the test room and it is safely locked.		Yes
Ann 8, 3.	If a method other than that described above is used, its equivalence has been demonstrated.		NA

Load/Speed Test

(Applicable for new tyres marked with the speed category 'D'.)

Preparing the Tyre

Ann 9, 2.1.	New tyres mounted on the test rim specified by the manufacturer.	NA
Ann 9, 2.1.1.	To seat the beads, the maximum pressure marked on the tyre sidewalls is not exceeded.	NA
Ann 9, 2.2.	New inner tube used when testing tyres with inner tubes (i.e. tyres not bearing the marking 'Tubeless').	NA
Ann 9, 2.3.	With the tyre beads properly seated on the rim, tyre inflated to the pressure specified by the tyre manufacturer: NA kPa	NA
Ann 9, 2.4.	Tyre and wheel assembly conditioned at test room temperature for no less than three hours.	NA
Ann 9, 2.5.	Tyre pressure readjusted to that specified in paragraph 2.3 above.	NA
Ann 9, 2.6.	On request of the tyre manufacturer, test programme is either: - In a laboratory on a test drum* - On a road using a trailer* *Strikethrough, as appropriate.*	NA

Test Procedure on a Test Drum

Ann 9, 3.1. *Ann 9, 3.1.1.*	Tyre and wheel assembly mounted on the test axle and pressed against the outer face of a smooth power-driven test drum of at least 1,700 mm ± 1 % in diameter, having a surface at least as wide as the tyre tread. *Note: Drum widths narrower than the tyre tread pattern may be used if the tyre manufacturer agrees.*	NA
Ann 9, 3.2.	Test drum speed is 20 km/h.	NA
Ann 9, 3.3.-3.3.1.	Series of masses applied to the test axle, in accordance with the load/speed test programme shown below, with reference to the test load, which equates to the mass corresponding to load index marked on the tyre in case of tyres marked with speed symbol D.	NA

Load Speed Test Programme			
Tyre Speed Category Symbol	Test Step	Percentage of Test Load (%)	Duration (hrs)
D	1	66	7
	2	84	16
	3	101	24

Ann 9, 3.4.1.	In the case of a test drum larger than 1,700 ± 1 per cent, the above 'percentage of test load' is increased as follows: $F_1 = K F_2$ where: $K = \sqrt{\frac{(R1/R2) \cdot (R2 + RT}{(R1 + RT)}}$ *R_1 is the diameter of the test drum (in mm);* *R_2 is the diameter of the reference test drum of 1,700;* *R_T is the tyre outer diameter (in mm);* *F_1 is the percentage of the load to be applied for the test drum;* *F_2 is the percentage of the load, as per the above table, to be applied for reference test drum of 1,700 mm.*	NA
Ann 9, 3.5.	Tyre pressure is not corrected throughout the test and the test load is kept constant throughout each of the three test steps.	NA
Ann 9, 3.6.	During the test, temperature in the test room is maintained between 20 °C and 30 °C: NA °C *Note: May be another temperature if the manufacturer agrees.*	NA
Ann 9, 3.7.	Load/speed test programme carried out without interruption.	NA
	Test Procedure on a Trailer	
Ann 9, 4.1.	Two new tyres of the same type mounted on a trailer.	NA
Ann 9, 4.2.	Mass applied on the trailer in order that each tyre be equally loaded with a test load corresponding to the load carrying capacity allowed for that tyre type at 15 km/h (see load variations in Annex 7).	NA
Ann 9, 4.3.	Trailer run at a constant speed of 15 km/h ± 1 km/h for 48 hours.	NA
Ann 9, 4.3.1.	Temporary interruptions are compensated by an additional run-in of five minutes for every 20 minutes of interruption.	NA
Ann 9, 4.4.	Tyre pressure is not corrected and the test load is kept constant throughout the test.	NA
Ann 9, 4.5.	During the test, the ambient temperature is between 5 °C and 30 °C: NA °C *Note: May be another temperature if the manufacturer agrees.*	NA
	Equivalent Test Method	
Ann 9, 5.	If a method other than those described above is used, its equivalence is demonstrated.	NA

Remarks

None

Note: VCA apply measurement uncertainty to calibrated items but not test results.