



INSTITUT GUMÁRENSKÉ TECHNOLOGIE A TESTOVÁNÍ, A.S.
RUBBER TECHNOLOGY AND TESTING INSTITUTE, Plc.
INSTITUT FÜR GUMMITECHNOLOGIE UND PRÜFWESEN, A.G.
A.O. «ИНСТИТУТ ТЕХНОЛОГИИ РЕЗИНЫ И ИСПЫТАНИЙ»

Společnost je zapsána v obchodním rejstříku vedeném Krajským soudem v Brně, oddíl B, vložka 818



Trelleborg Slovenija d.o.o.
PA Moto
Škofjeloška cesta 6
4000 Kranj
SLOVENIA

E8*75R00/16*1189*00

Zlín 9th September 2019

Re

**Communication concerning the approval and notification of approval number-
inspection report**

Tyre type fully complies requirements of ECE/UN R75.

Enclosed you will find the Communication concerning the approval of your tyres according to ECE/UN Regulation No. **75**

On the base of this approval you are entitled to produce in your factory tyres of the dimension :

170/60ZR17 MITAS TOURING FORCE (72W)

with the approval number : **E8*75R00/16*1189*00**

date of inspection: **9th September 2019**

Sincerely yours

 **IGTT a.s.**
Tyre Approval Department
Štemberská 446, Louky
763 02 Zlín, Czech Republic
iČO/ID: 46900080 DIČ/VAT: CZ46900080  

Petr Husták, Ph.D.
Tyre Approval Department Head

Ministerstvo dopravy České republiky
Ministry of Transport of the Czech Republic
Nábřeží L. Svobody 12, CZ-110 15 Praha 1

OSVĚDČENÍ o : 1/

COMMUNICATION concerning : 1/



UDĚLENÍ HOMOLOGACE

ROZŠÍŘENÍ HOMOLOGACE
ZAMÍTNUTÍ HOMOLOGACE
ODEBRÁNÍ HOMOLOGACE
DEFINITIVNÍM UKONČENÍ VÝROBY

APPROVAL GRANTED

APPROVAL EXTENDED
APPROVAL REFUSED
APPROVAL WITHDRAWN
PRODUCTION DEFINITELY DISCONTINUED

typu pneumatiky pro motocykly a skútry podle Předpisu č. 75
of a type of pneumatic tyre for motorcycles and moped pursuant to Regulation No. 75

Homologace č.:

Approval No.: **E8*75R00/16*1189*00**

Rozšíření č.:

Extension No.: -

1. Jméno a adresa výrobce :
Manufacturer's name and address: :
Trelleborg Wheel Systems Czech Republic a.s. **Trelleborg Slovenija, d.o.o.**
výrobní úsek Zlín **PA Moto**
ulice Šedesátá č.p. 5638 **Škofjeloška cesta 6**
762 02 Zlín **4000 Kranj**
CZECH REPUBLIC **SLOVENIA**
2. Označení typu pneumatiky :
Tyre type designation : **TOURING FORCE**
- 2.1 Značka (y) / obchodní známka (y) :
Brand name(s)/trademark(s) : **MITAS**
- 2.2 Obchodní popis / obchodní jméno :
Trade description(s)/commercial name(s) : -
3. Název a adresa zástupce výrobce :
(je-li potřebné) : -
If applicable, name and adress of 4
manufacturer's representative : **N/A**
4. Souhrnný popis
Sumarized description
- 4.1. Označení rozměru pláště :
Tyre size designation : **170/60ZR17**
- 4.2. Kategorie užití :
Category of use : **normální / speciální / zimní / moped / all-terrain**
normal / special / snow / moped / all-terrain 1/
- 4.3. Konstrukce :
Structure : **diagonální / radiální / smíšená /**
diagonal / radial / bias-belted / 1/
- 4.4. Kategorie rychlosti :
Speed category symbol : **W**
- 4.5. Indexy nosnosti :
Load capacity index : **72**



- 4.6. U pneu All Terrain (AT) symbol určující referenční huštění : -
For All Terrain (AT) tyres, the symbol identifying the reference pressure : N/A
5. Homologační zkušebna a případně zkušební laboratoř schválená pro účely homologace nebo pro ověřování shodnosti : IGTT a. s. - Institut gumárenské technologie a testování
Technical service and where applicable, test laboratory additional approved purposes of approval or of verification of conformity : Rubber Technology and Testing Institute, Šternberská 446, Louky, 763 02 ZLÍN, CZECH REPUBLIC
6. Datum protokolu, vydaného touto zkušebnou : 28.08.2019, 28.08.2019
Date of report issued by that service : 28.08.2019, 28.08.2019
7. Číslo protokolu, vydaného touto zkušebnou : 2019-4653, 2019-4657
Number of report issued by that service : 2019-4658, 2019-4659
8. Důvod pro rozšíření (je-li potřebné) : -
Reason (s) of extension (if applicable) :
9. Poznámky : Max povolená rychlost 280km/h
Any remarks : Max permitted speed 280km/h

10. Místo :
Place : Praha
11. Datum :
Date : 09.09.2019
12. Podpis :
Signature :



13. K osvědčení je přiložen seznam dokumentů obsažených v homologačních podkladech uložených u homologačního orgánu, který udělil homologaci, a které lze obdržet na vyžádání.
Annexed to this communication is a list of documents in the approval file deposited at the Approval Authority which has considered this approval and which can be obtained upon request.

Seznam dokumentů
List of documents

- výkresy bočnice a běhounu pláště
drawing of the tyre sidewalls and tread
- kótovaný výkres příčného řezu pláště
dimensioned drawing of tyre cross - section

1/ Nehodící se škrtněte
Delete that which does not apply

E8 75 R 001189

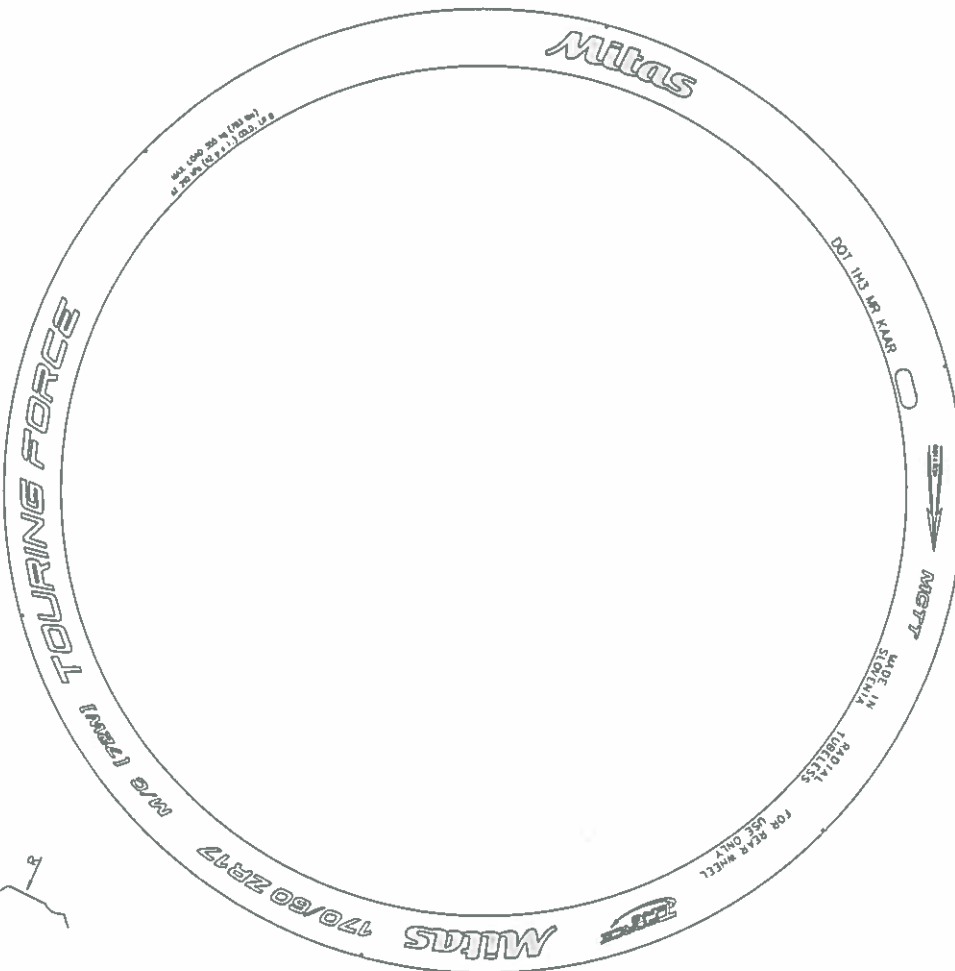
**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE
FOR MOTOR CYCLES AND MOPEDS ACCORDING TO ECE REGULATION No. 75**

4.1.1. Tyre size designation:	170/60ZR17
4.1.2. Manufacturers name, tyre name:	MITAS TOURING FORCE
4.1.3. The category of use:	MOTORCYCLE
4.1.4. Structure (diagonal, bias belted, radial):	RADIAL
4.1.5. The speed category:	W
4.1.6. The load-capacity index of the tyre:	72
4.1.7. Tube type or Tubeless:	TUBELESS
4.1.8. Normal or Reinforced:	NORMAL
4.1.9. Ply rating number of tyres for motor cycle derivatives:	TREAD: 2 POLYESTER+1 STEEL SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 166.7 mm Overall diameter: 640.0 mm
4.1.11. The rims on which the tyre can be mounted:	4.50-17, 5.00-17, 5.50-17
4.1.12. The measuring rim and test rim:	4.50-17
4.1.13. The test and measurement pressure	Test pressure: 320 kPa Measuring pressure: 280 kPa
4.1.14. Factor x	0.7
4.1.15. Max allowed speed for load-capacity defined in 4.1.6.	280 km/h



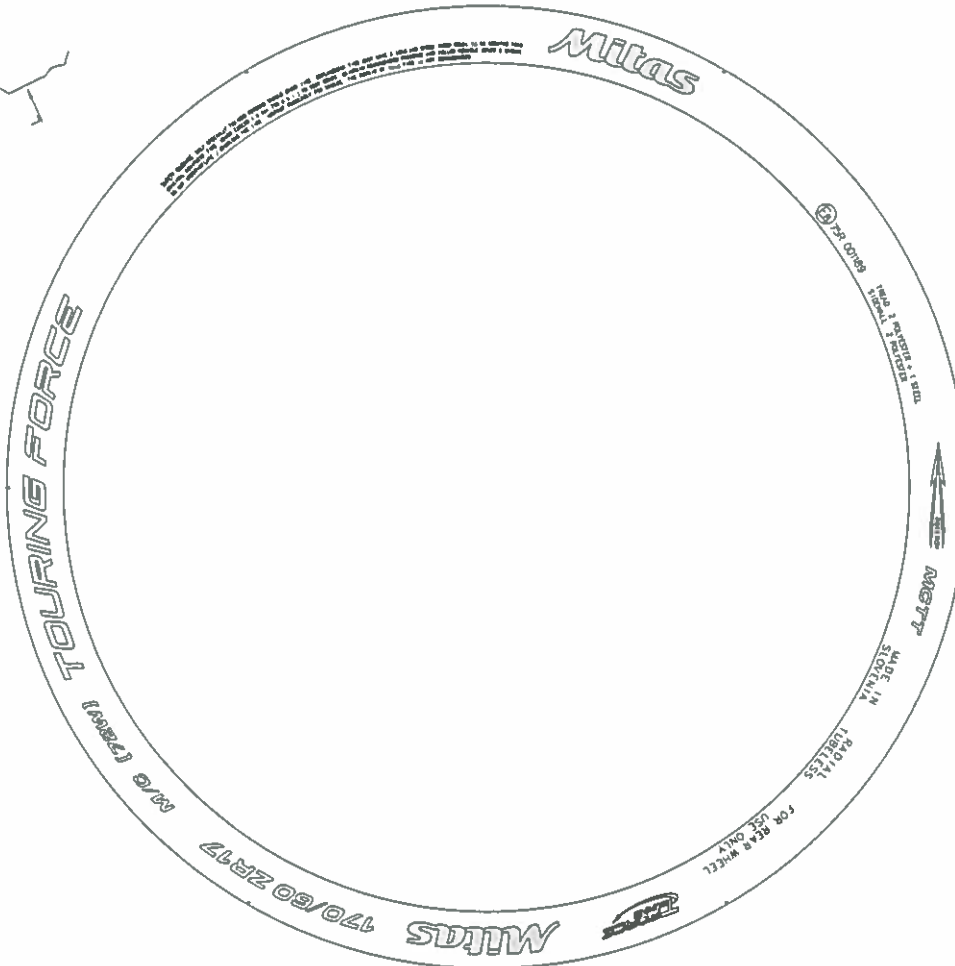
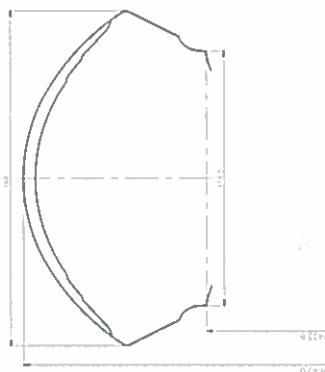

SECTION ON THE - BOTTOM HALF OF THE WHEEL
(VIEW 1)

SECTION ON THE - TOP HALF OF THE WHEEL
(VIEW 1)

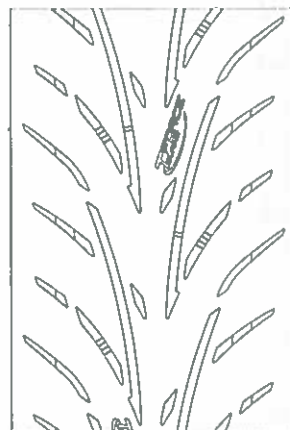


DATE

CROSS SECTION OF MOUNTED WIRE



OVERALL (approx) WIDTH OF TREAD PATTERN



IGT a.s.
homologace pneumatik
Šternberská 446, Louky
763 02 Zlín, Czech Republic
IČ/D: 46900080 DIČ/VAT: CZ46900080

IGT

23

Handwritten signature

This data provided in accordance with the requirements of the UNECE Regulation No. 13, Annex 2, Part 1, Table 1, Item 1.	
Manufacturer's name	IGT a.s.
Manufacturer's address	Šternberská 446, Louky, 763 02 Zlín, Czech Republic
Manufacturer's telephone	+420 58 581 1111
Manufacturer's fax	+420 58 581 1112
Manufacturer's e-mail	info@igt.cz
Manufacturer's website	www.igt.cz
Product name	TOURING FORCE
Product code	70/60 ZR17
Product description	Radial tubeless tyre for motor vehicles
Product type	Tubeless
Product size	70/60 ZR17
Product load index	200
Product speed index	Y
Product approval number	1369687
Product approval date	14.12.2010
Product approval authority	IGT a.s.



TEST REPORT No. 2019-4653

Tyre testing laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2005

1. Customer:	Trelleborg Slovenija d.o.o.	Requirement No.:	BG/19097
	Škofjeloška cesta 6	Dept.:	PA Moto Task: 08B/2019
	4000 Kranj	Project No.:	08B/2019
	Slovenia	Application date:	20.8.2019
	Responsible: Mr. Gubanc	Report issue date:	28.8.2019
Test motive: Prototype tires P-44/19 (No. 22,23,24,25,26,28) – ECE release			

2. Tested sample:	Tyre	Sort:	M	Ident. No.:	45215	
	Dimension	170/60ZR17	Name:	Mitas Touring Force		
	Designation	No.28, 3	Product:	Trelleborg Sloveni	Approval	E8 75R 001189
	LI:	72	SS:	W	IP:	290 kPa
	PR	LR:	B	Type	TL	
	Weight:	6,94 k	Measuring rim	4,50x17	DOT:	H3 DOP 2919
V max = 280 km/h						

3. Test:	Speed test
	Method: RZ-M-0031 accredited

4. Test condition:	Testing machine:	H2L	Drum:	2000 mm	Ambient temperature:	38±3°C	
	Testing rim:	MT4,50x17 H2	Inflation:	320 kPa	capped		
	Load:	170 daN	Drum speed:		km/h	Slip:	0°
	Camber:	0°					
Cycle min/max:		Track min/max:		km			

5. Results:	Without failure

Undergo cycles: 97 459 Undergo track 192 km

6. Evaluation:	Criterion	no defects and circumf.difference before and 6h after test max. ±3,5%
	Tyre met the test criterion	U = 0,1 %

U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

7. Appendix:	1. Drum tyre test record
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8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the tyre testing laboratory

Issued by: Tyre testing laboratory head technician V. Závada

Approved by: Laboratory quality manager Petr Slíž



Sample No.: 45215		Dimension:		170/60ZR17		Mitas Touring Forc				Test:		RZ-M-0031	
ID No	Test stage	Date time dd.mm.yyyy hh:mm:ss	Step duration hhh:mm:ss	Test duration hhh:mm:ss	Speed km/h	Load daN	Inflation kPa	Radius mm	Surface °C	Room °C	Distance km	Cycles	Diameter/ deflection mm
1	Start	26.8.2019 11:25:32	000:00:00	000:00:00			320			34,2			640
2	Cont	26.8.2019 11:46:20	000:20:00	000:20:00	124,7	172		311		34,4	42	21 124	9
3	Cont	26.8.2019 12:06:22	000:20:00	000:40:00	250,0	172		312		35,3	125	63 323	8
4	Cont	26.8.2019 12:16:23	000:09:59	000:49:59	264,9	172		312		35,9	169	85 612	8
5	Cont	26.8.2019 12:21:25	000:05:00	000:54:59	280,0	172		312		36,1	192	97 459	8
6	Int:M	26.8.2019 12:33:18	000:11:53	000:54:59						35,7			
7	Int:O	26.8.2019 18:35:47	006 02:29	000:54:59			317			35,7			640
8	End	26.8.2019 18:35:54	000:00:07	000:54:59						35,7			

Tyre width immediately after end of test(mm): 168,2 - 168,3 - 168,2 - 168,2 - 168,3 - 168,2

Change of tyre circumference before test and 6h after test (%): 0,00


TEST REPORT No. 2019-4657

 Tyre testing laboratory No.1253, accredited by Czech Accreditation Institute
according ČSN EN ISO/IEC 17025:2005

1. Customer:	Trelleborg Slovenija d.o.o.	Requirement No.:	BG/19097
	Škofjeloška cesta 6	Dept.:	PA Moto Task: 08B/2019
	4000 Kranj	Project No.:	08B/2019
	Slovenia	Application date:	20.8.2019
	Responsible Mr. Gubanc	Report issue date:	28.8.2019
Test motive: Prototype tires P-44/19 (No. 22,23,24,25,26,28) – ECE release			

2. Tested sample:	Tyre	Sort:	M	Ident. No.:	45219		
	Dimension	170/60ZR17	Name:	Mitas Touring Force			
	Designation	No.26, 1	Product:	Trelleborg Sloven	Approval	E8 75R 001189	
	LI:	72	SS:	W	IP:	290 kPa	
			PR	LR:	B	Type	TL
	Weight:	6,94 k	Measuring ri	4,50x17	DOT:	H3	DOP
V max = 280 km/h							

3. Test:	Measurement of tyre dimensions
	Method: MZR-M-003 accredited

4. Test condition:	Testing machine:	-	Drum	-	mm	Ambient temperature:	25±5°C	
	Testing rim:	MT4,50x17 H2	Inflation:	280 kPa				
	Load:		daN	Drum speed:		km/h	Slip:	0°
				Camber:	0°			
	Cycle min/max:			Track min/max:			km	

5. Results:	Overall diameter: 640mm	
	Overall width: 166,7mm	

Undergo cycles: Undergo track: km

6. Evaluation:	Criterion defined in ECE-R75
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Tyre met test criterion

Uwidth = 0,3 mm; Udiam = 0,6 mm

U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

7. Appendix:	1. Measurement of the tyre dimensions
---------------------	---------------------------------------

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the tyre testing laboratory

Issued by: Tyre testing laboratory head technician V. Závada

Approved by: Laboratory quality manager RNDr. Petr Slíž

 homologace pneumatik
Šternberská 446, Louky
763 02 Zlín, Czech Republic
IČO: 46900080 DIČ/VAT: CZ46900080


Sample No 45219 Tyre size: 170/60ZR17 Mitas Touring Fo Method: MZR-M-003

Date of measurement	Tyre		Tyre width at six points on circumference						Overall tyre	
	inflation kPa	cicumf. mm	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	width mm	diameter mm
24.8.2019	280	2 010	166,3	166,4	166,7	166,4	166,5	166,4	166,7	640



TRELLEBORG

TEST REPORT No. 2019-4658



1. Customer: Trelleborg Slovenija d.o.o. Requirement No.: BG/19097
 Škofjeloška cesta 6 Dept.: PA Moto Task: 08B/2019
 4000 Kranj Project No.: 08B/2019
 Slovenia Application date: 20.8.2019
 Responsible: Mr. Gubanc Report issue date: 28.8.2019
 Test motive: Prototype tires P-44/19 (No. 22,23,24,25,26,28) – ECE release

2. Tested sample: Tyre Sort: M Ident. No.: 45219
 Dimension 170/60ZR17 Name: Mitas Touring Force
 Designation No.26, I Product: Trelleborg Sloveni Approval E8 75R 001189
 LI: 72 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,94 k Measuring rim 4,50x17 DOT: H3 DOP 2919
 V max = 280 km/h

3. Test: Sidewall lettering inspection
 Method: KPB-M-003 not accredited

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: MT4,50x17 H2 Inflation: 280 kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: See appendix No. 19-4658

Undergo cycles: Undergo track km

6. Evaluation: Criterion defined in ECE-R75
 -

U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

7. Appendix: 1. Tyre lettering inspection

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the tyre testing laboratory

Issued by: Tyre testing laboratory head technician V. Závada

Approved by: Laboratory quality manager RNDr. Petr Slíž

homologace pneumatik
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic

2019-46580000 DIČ/VAT: CZ46900060



Sample No.: 45219 Size: 170/60ZR17 Mitas Touring Force Method: KPB-M-003

Date: 24.8.2019

Dimension of approval mark:

diameter of circle: 11 mm

height of letter E: 6 mm

height of number: 4 mm

height of text 75R....: 4 mm

Sidewall lettering:

b >= 4 mm (min): 4 mm

Measured where (text):

Size designation (text):

Structure (diagonal/bias belted/radial):

Trade name (mark):

Speed category (mark):

Load capacity (mark):

Ply rating (mark):

TUBELESS (text):

REINFORCED or REINF (text):

M+S or M.S or MS (or DP) (mark):

MST (mark):

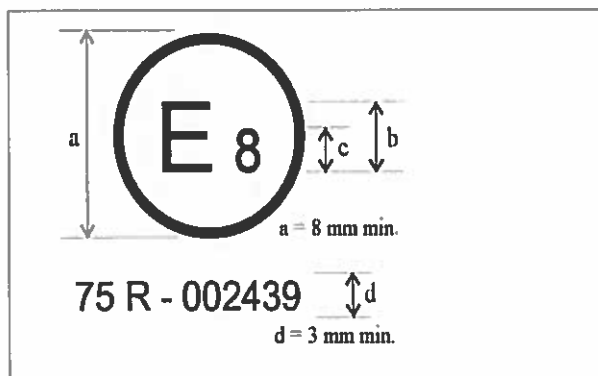
Date of production (wwyy):

M/C (mark):

MOPED or CYCLOMOTEUR (text):

(W) for SS>270km/h :

Running rotation (mark):



b TUBELESS M + S

TUBELESS

Yes

No

Yes

Yes

Yes

No

Yes

No

No

No

Yes

Yes

-

Yes

Yes

TEST REPORT No. 2019-4659

 Tyre testing laboratory No.1253, accredited by Czech Accreditation Institute
 according ČSN EN ISO/IEC 17025:2005

1. Customer: Trelleborg Slovenija d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: Mr. Gubanc
 Test motive: Prototype tires P-44/19 (No. 22,23,24,25,26,28) – ECE release

Requirement No.: BG/19097
 Dept.: PA Moto Task: 08B/2019
 Project No.: 08B/2019
 Application date: 20.8.2019
 Report issue date: 28.8.2019

2. Tested sample: Tyre Sort: M Ident. No.: 45219
 Dimension 170/60ZR17 Name: Mitas Touring Force
 Designation No.26, 1 Product: Trelleborg Sloveni Approval E8 75R 001189
 LI: 72 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,94 k Measuring rim 4,50x17 DOT: H3 DOP 2919
 V max = 280 km/h

3. Test: Speed test
 Method: RZ-M-003 accredited

4. Test condition: Testing machine: H2L Drum: 2000 mm Ambient temperature: 38±3°C
 Testing rim: MT4,50x17 H2 Inflation: 320 kPa capped
 Load: 170 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Without failure

Undergo cycles: 106 418 Undergo track 209 km

6. Evaluation: Criterion no defects and circumf.difference before and 6h after test max. ±3,5%
 Tyre met the test criterion
 U = 0,1 %

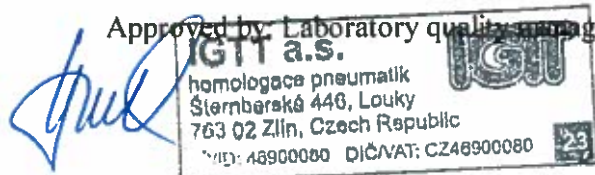
U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

7. Appendix: 1. Drum tyre test record

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the tyre testing laboratory

Issued by: Tyre testing laboratory head technician V. Závada

Approved by: Laboratory quality manager RNDr. Petr Slíž



Sample No.: 45219		Dimension: 170/60ZR17		Mitas Touring Forc		Test: RZ-M-003							
ID No	Test stage	Date time dd.mm.yyyy hh:mm:ss	Step duration hhh:mm:ss	Test duration hhh:mm:ss	Speed km/h	Load daN	Inflation kPa	Radius mm	Surface °C	Room °C	Distance km	Cycles	Diameter/ deflection mm
1	Start	24.8.2019 11:07:09	000:00:00	000:00:00			320			34,7			640
2	Cont	24.8.2019 11:27:58	000:20:00	000:20:00	119,6	172		310		34,6	40	20 298	10
3	Cont	24.8.2019 11:38:00	000:10:00	000:30:00	240,0	172		312		34,8	80	40 606	8
4	Cont	24.8.2019 11:48:02	000:10:00	000:40:00	250,1	172		312		34,9	121	61 710	8
5	Cont	24.8.2019 11:58:04	000:10:00	000:50:00	260,1	172		312		34,9	165	83 642	8
6	Cont	24.8.2019 12:08:06	000:10:00	001:00:00	270,1	171		312		35,0	209	106 418	8
7	Int.M	24.8.2019 12:13:02	000:04:56	001:00:00						34,9			
8	Int.O	25.8.2019 5:58:23	017:45:21	001:00:00			311			34,9			640
9	End	25.8.2019 5:58:25	000:00:02	001:00:00						34,9			

Tyre width immediately after end of test(mm): 167,2 - 167,1 - 169,9 - 169,9 - 167,0 - 167,1

Change of tyre circumference before test and 6h after test (%): 0,05