



INSTITUT GUMÁRENSKÉ TECHNOLOGIE A TESTOVÁNÍ, A.S.
RUBBER TECHNOLOGY AND TESTING INSTITUTE, Plc.
INSTITUT FÜR GUMMITECNOLOGIE 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



Zlín 13th December 2023

E8*75R00/19*1617*00

Trelleborg Wheel Systems Moto d.o.o.
Škofjeloška cesta 6
4000 Kranj
SLOVENIA

Communication concerning the approval and notification of approval number and inspection report issued by Inspection body IGTT

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:

200/55ZR17 MITAS SPORT FORCE+ RS (78W)

with the approval number : **E8 75R - 001617**
date of inspection : **13th December 2023**

inspector's name : **Václav Hořelka**

Sincerely yours,

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

Václav Hořelka
Head Of Tyre Approval Department
Head Of Inspection Body IGTT

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

E8 75R – 001617

4.1.1. Tyre size designation:	200/55ZR17
4.1.2. Manufacturers name, tyre name:	MITAS, SPORT FORCE+ RS
4.1.3. The category of use:	NORMAL
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:	78
4.1.7. Tube type or Tubeless:	TUBELESS
4.1.8. Normal or Reinforced:	NORMAL
4.1.9. Ply rating number of tyres for motorcycle derivatives:	TREAD: 1 POLYESTER+1 STEEL SIDEWALL: 1 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 194.8 mm Overall diameter: 655.0 mm
4.1.11. The rims on which the tyre can be mounted:	6.00x17, 6.25x17, 6.50x17
4.1.12. The measuring rim and test rim:	6.00x17
4.1.13. The test and measurement pressure	Test pressure: 320 kPa Measuring pressure: 280 kPa
4.1.14. Factor x	0.8
4.1.15. Max allowed speed for load-capacity defined in 4.1.6.	280 km/h

Manufacturer's name and address:

Tyre Manufacturer (1)

Yokohama TWS Slovenija d.o.o.
Škofjeloška cesta 6,
4000 Kranj, Slovenia

Tyre Manufacturer (2)

SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

Tyre Manufacturer (3)

Yokohama TWS Czech Republic a.s.
Vavrečkova 7248
760 02 Zlín, Czech Republic



IGTT a.s.
Tyre Approval Department
Štebberská 446, Louky
760 02 Zlín, Czech Republic
ICND: 48900080 DIČ/VAT: CZ46900080



7 December 2023

Att. Ing. Tomáš Dudák
Director IGTT

Information letter

Yokohama TWS Slovenija d.o.o. informs that we have 3 manufacturing plants. The manufacturing process, raw materials, tire moulds, tread pattern and quality system of our company's products remains unchanged.

Based on this information letter, the approvals or extension of the approvals will be carried out.

All "E8" approved tires under our brand names are produced at plants, with the following addresses:

- 1) Yokohama TWS Slovenija d.o.o.
Škofjeloška cesta 6,
4000 Kranj Slovenia
- 2) SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate, Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.
- 3) Yokohama TWS Czech Republic a.s.
Vavrečkova 7248
Zlín 760 02 Czech Republic

Damjan Grošelj
Director
Yokohama TWS Slovenija d.o.o.


Uroš Bajželj
Director
Yokohama TWS Slovenija d.o.o.

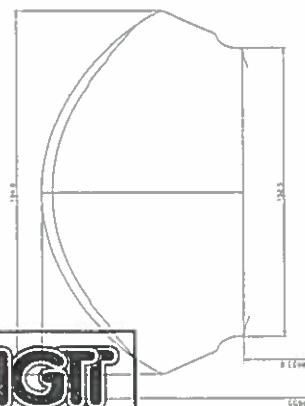
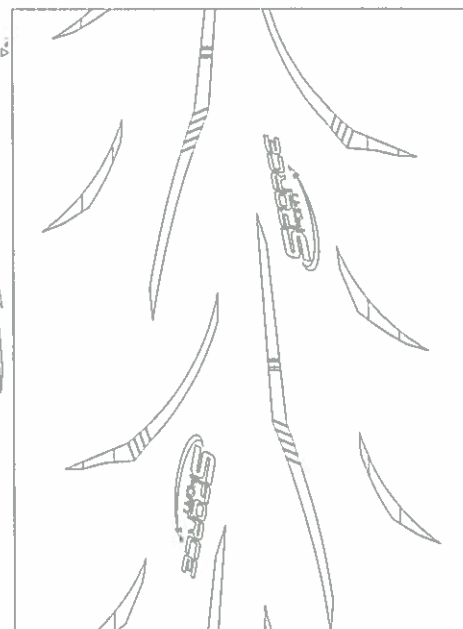
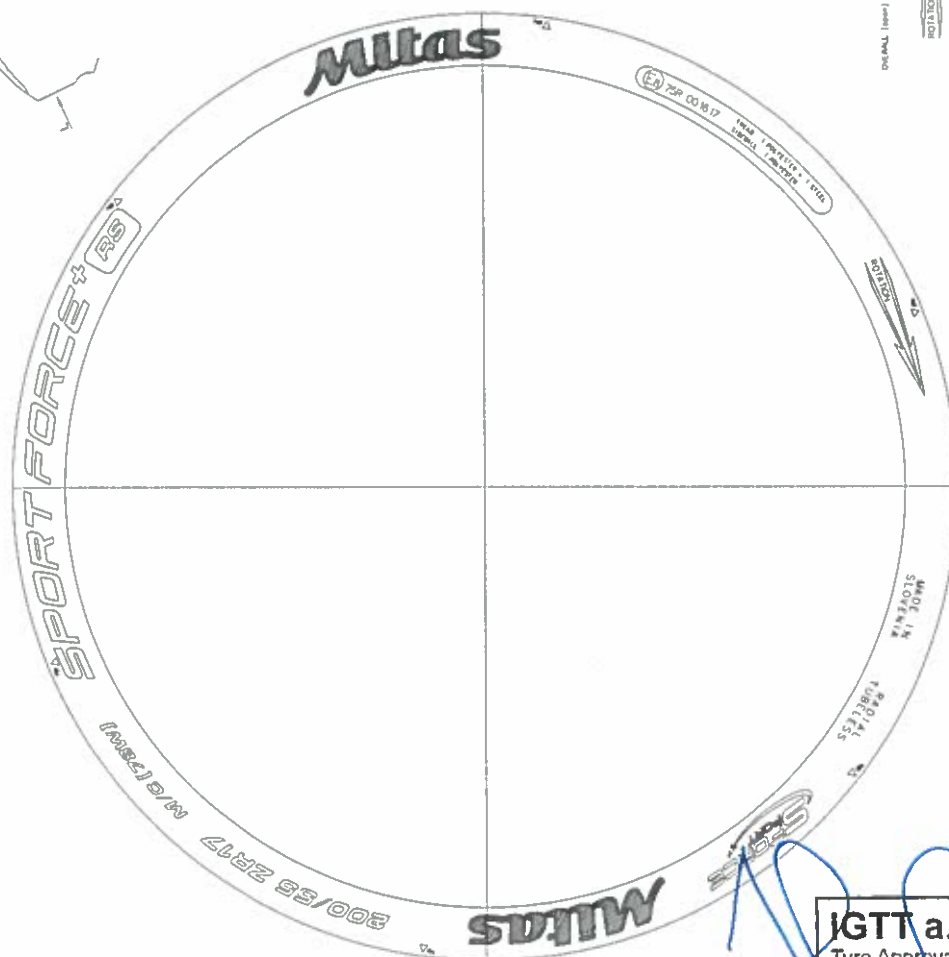
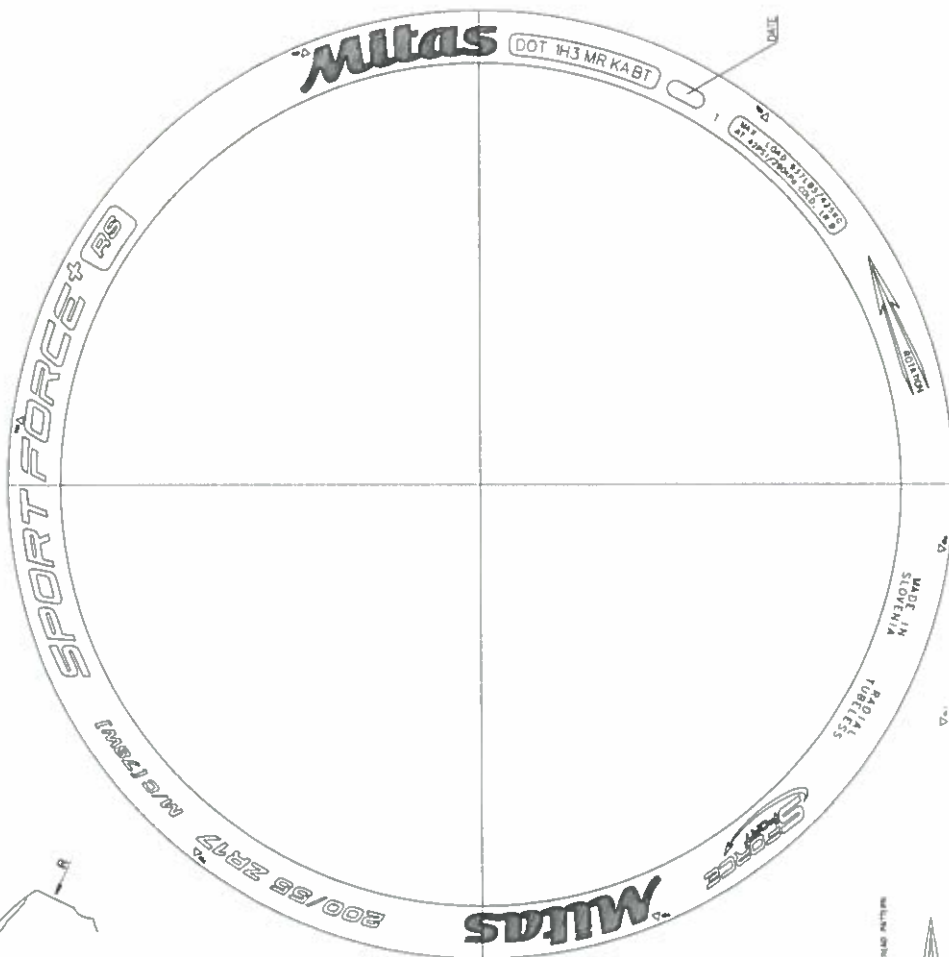
Yokohama TWS Slovenija d.o.o.
Družba za proizvodnjo in trženje pnevmatik
Škofjeloška cesta 6, 4000 Kranj, Slovenija

Yokohama TWS Slovenija, družba za proizvodnjo in trženje pnevmatik, d.o.o.
Škofjeloška cesta 6, 4000 Kranj, Slovenija
www.yokohama-tws.com


IGTT a.s.
Tyre Approval Department
Šternberská 446, Louky
763 02 Zlín, Czech Republic
IČO: 4690080 DIČ/VAT CZ4690080

IGTT

(a) CONTRIBUTION ON THE PART OF THE WORLD



IGTT a.s.
Tyre Approval Department
Stemberská 4/6, Louky
763 02 Zlín, Czech Republic
ICAD: 46900080 DIČ/VAT: CZ46900080

IGT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00

Yokohama TWS 11/21

Attn: Ing. Peter Dvornik
Director IGTT

Information letter

Yokohama TWS Slovenija d.o.o. informs that we have 3 manufacturing plants. The manufacturing process, raw materials, tire moulds, tread pattern and quality system of our company's products remains unchanged.

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Škofjeloška cesta 6,

4000 Kranj, Slovenia

2) SHAM Trelleborg Tires LLP

Plot No. 521, Sayakha Industrial Estate, Near Village Junec, Taluka Vagra,

Dist. Bharuch, Gujarat, Pin-392140.

3) Yokohama TWS Czech Republic a.s.

Vavrečková 7248

Zlín 760 02 Czech Republic

Ing. Peter Dvornik

Director

Yokohama TWS Slovenija d.o.o.

Ing. Rajfel

Director

Yokohama TWS Slovenija d.o.o.

Yokohama TWS Slovenija d.o.o.

Družba za proizvodnjo in trženje pnevmatik

Škofjeloška cesta 6, 4000 Kranj, Slovenija

IGTT a.s.

Tyre Approval Department
Šternberska 446, Louky
763 02 Zlín, Czech Republic

IC/ID: 46900080 DIČ/VAT: CZ46900080

IGTT



TEST REPORT No. 2023-5333

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: Mr. Gubanc
 Test motive: Prototype tyres P-41/23 No.4,5,6,7,8,9,10 (ECE homolog.)

Requirement No.: BG/23033
 Dept.: Moto Kranj Task: 10A/2023/BG
 Project No.: 10A/2023/BG
 Application date: 10.10.2023
 Report issue date: 13.10.2023

2. Tested sample: Tyre
 Sort: M Ident. No.: 56935
 Dimension 200/55ZR17 Name: Mitas Sport Force+ RS
 Designation 1, 7, VI Product: TWS Moto Approval E8 75R 001617
 LI: 78 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,54 kg Measuring rim 6,25x17 DOT: 1H3 DOP: 3923

3. Test: Sidewall lettering inspection
 Method: KPB-M-003 accredited

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: MT6,00x17 H2 Inflation: kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: See appendix of protocol: 23-5333
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75 and other standards
 U = 0,5 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. 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 Testing Laboratory. The results apply to the sample as received. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.



Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D.

IGTT a.s.
 Tyre Approval Department
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČ/DI: 46900080 DIČ/VAT: CZ46900080

Sample No.: 56935 Size: 200/55ZR17 Mitas Sport Force+ RS Method: KPB-M-003

Date: 13.10.2023

Dimension of approval mark:

diameter of circle: 11 mm

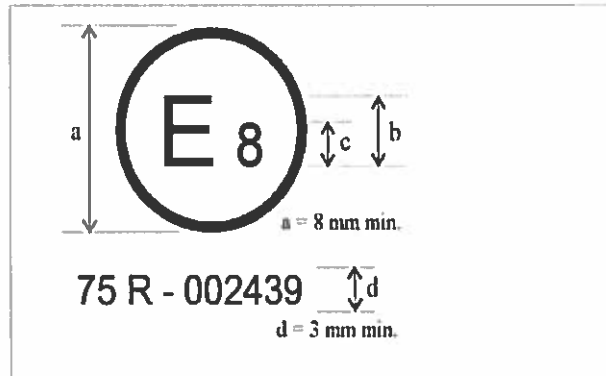
height of letter E: 6 mm

height of number: 4 mm

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

Sidewall lettering:

b ≥ 4 mm (min): 4 mm



b TUBELESS M + S

Measured where (text): Tubeless

Size designation (text): Yes

Structure (diagonal/bias belted/radial): R

Trade name (mark): Yes

Speed category (mark): Yes

Load capacity (mark): Yes

Ply rating (mark): No

TUBELESS (text): Yes

REINFORCED or REINF (text): No

M+S or M.S or MaS (mark): No

MST (mark): No

Date of production (wwyy): Yes

M/C (mark): Yes

MOPED or CYCLOMOTEUR (text): -

(W) for SS>270km/h: Yes

Running rotation (mark): Yes

Visible defects or damages: No

QC check mark (stamp): Yes

Manuf.name or country of or Yes

TWI markings: Yes

DP (mark): No

NHS (mark): No



TEST REPORT No. 2023-5334

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according to ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o. Requirement No.: BG/23033
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 10A/2023/BG
 4000 Kranj Project No.: 10A/2023/BG
 Slovenia Application date: 10. 10. 2023
 Responsible: Mr. Gubanc Report issue date: 17. 10. 2023
 Test motive: Prototype tyres P-41/23 No.4,5,6,7,8,9,10 (ECE homolog.)

2. Tested sample: Tyre Sort: M Ident. No.: 56935
 Dimension 200/55ZR17 Name: Mitas Sport Force+ RS
 Designation 1, 7. V1 Product: TWS Moto Approval E8 75R 001617
 LI: 78 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,54 kg Measuring rim 6,25x17 DOT: 1H3 DOP: 3923

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: MT6,00x17 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: 655 mm
 Overall width: 194,8 mm
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75
 Udiam = 1,5 mm; Uwidth = 1,0 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 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 Testing Laboratory. The results apply to the sample as received. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.



Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D.

IGTT a.s.
 Tyre Approval Department
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČ/DIČ: 46900080 DIČ/VAT: CZ46900080

Annex to protocol No.: 23- 5334 Measurement of tyre dimensions

Printed: 17.10.2023

Sample No 56935 Tyre size: 200/55ZR17 Mitas Sport Forc Method: MZR-M-003

Date of measurement	Tyre		Tyre width at six points on circumference						Overall tyre	
	inflation	cicumf.	1	2	3	4	5	6	width	diameter
	kPa	mm	mm	mm	mm	mm	mm	mm	mm	mm
14. 10. 2023	280	2 059	194,8	194,8	194,7	194,5	194,7	194,8	194,8	655

TEST REPORT No. 2023 - 5335

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: Mr. Gubanc
 Test motive: Prototype tyres P-41/23 No.4,5,6,7,8,9,10 (ECE homolog.)

Requirement No.: BG/23033
 Dept.: Moto Kranj Task: 10A/2023/BG
 Project No.: 10A/2023/BG
 Application date: 10. 10. 2023
 Report issue date: 17. 10. 2023

2. Tested sample: Tyre
 Sort: M Ident. No.: 56935
 Dimension 200/55ZR17 Name: Mitas Sport Force+ RS
 Designation 1, 7. V1 Product: TWS Moto Approval E8 75R 001617
 LI: 78 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,54 kg Measuring rim 6,25x17 DOT: 1H3 DOP: 3923

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: MT6,00x17 H2 Inflation: 320 kPa capped
 Load: 203 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Without failure.
 Difference of tyre circumference at start and at end of test: 0,1 %
 Undergo cycles: 103 579 Undergo track: 210 km

6. Evaluation: Criterion no defects and circumf.difference before and 6h after test max. ±3,5%
 Uinfl = 3 kPa; Utime +1 s; Uspeed = 2 km/h;
 Uload = 5% (40 - 500 daN), 1% (501 - 30000 daN)
 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 Testing Laboratory. The results apply to the sample as received. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.



Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D.

IGTT a.s.
 Tyre Approval Department
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČ/D: 46900980 DIČ/VAT: CZ46900080

Sample No.: 56935		Dimension: 200/55ZR17		Mitas Sport Force+		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	4. 10. 2023 15:38:04	000:00:00	000:00:00			320			35,9			656
2	Cont	4. 10. 2023 15:58:29	000:20:00	000:20:00	119,9	204		314		36,2	40	19 774	14
3	Cont	4. 10. 2023 16:08:31	000:10:00	000:30:00	240,0	204		316		36,9	80	39 553	12
4	Cont	4. 10. 2023 16:18:33	000:10:00	000:40:00	250,1	204		316		37,1	122	60 070	12
5	Cont	4. 10. 2023 16:28:35	000:10:00	000:50:00	260,1	204		316		37,3	165	81 428	12
6	Cont	4. 10. 2023 16:38:37	000:10:00	001:00:00	270,1	204		316		37,5	210	103 579	12
7	Int M	4. 10. 2023 16:49:38	000:11:01	001:00:00						36,9			
8	Int O	15. 10. 2023 6:25:49	013:36:10	001:00:00			313			36,9			656
9	End	15. 10. 2023 6:25:52	000:00:03	001:00:00						36,9			

Tyre width immediately after end of test(mm): 197,7 - 197,6 - 197,7 - 197,9 - 198,1 - 198,0

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

TEST REPORT No. 2023 - 5338

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o. Requirement No.: BG/23033
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 10A/2023/BG
 4000 Kranj Project No.: 10A/2023/BG
 Slovenia Application date: 10.10.2023
 Responsible: Mr. Gubanc Report issue date: 20.10.2023
 Test motive: Prototype tyres P-41/23 No.4,5,6,7,8,9,10 (ECE homolog.)

2. Tested sample: Tyre Sort: M Ident. No.: 56937
 Dimension 200/55ZR17 Name: Mitas Sport Force+ RS
 Designation 3, 5. V1 Product: TWS Moto Approval E8 75R 001617
 LI: 78 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,66 kg Measuring rim 6,25x17 DOT: 1H3 DOP: 3923

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: MT6,00x17 H2 Inflation: 320 kPa capped
 Load: 271 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Without failure.
 Difference of tyre circumference at start and at end of test: 0,1 %
 Undergo cycles: 95 074 Undergo track: 192 km

6. Evaluation: Criterion no defects and circumf.difference before and 6h after test max. ±3,5%
 Uinfl = 3 kPa; Utime +1 s; Uspeed = 2 km/h;
 Uload = 5% (40 - 500 daN), 1% (501 - 30000 daN)
 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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Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D.

Sample No.: 56937		Dimension:		200/55ZR17		Mitas Sport Force+		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	19.10.2023 8:31:18	000 00:00	000 00:00			320			36,2			656
2	Cont	19.10.2023 8:51:39	000 20:00	000 20:00	124,0	270		312		36,5	42	20 603	17
3	Cont	19.10.2023 9:11:41	000 20:00	000 40:00	250,0	270		313		37,2	125	61 766	15
4	Cont	19.10.2023 9:21:43	000 10:00	000 50:00	265,0	270		313		37,6	169	83 522	15
5	Cont	19.10.2023 9:26:45	000 05:00	000 55:00	280,0	270		313		37,7	192	95 074	15
6	Int M	19.10.2023 9:31:14	000 04:28	000 55:00						37,4			
7	Int O	19.10.2023 16:31:17	007 00:04	000 55:00			312			37,4			656
8	End	19.10.2023 16:31:22	000 00:05	000 55:00						37,4			

Tyre width immediately after end of test(mm): 198,2 - 197,7 - 197,9 - 198,1 - 198,2 - 197,9

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