



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 10th October 2023

E8*75R00/19*1442*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:

180/60ZR17 MITAS SPORT FORCE+ EV (75W)

with the approval number : **E8 75R - 001442**
date of inspection : **10th October 2023**

inspector's name : **Václav Hořelka**

Sincerely yours,



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 – 001442

4.1.1. Tyre size designation:	180/60ZR17
4.1.2. Manufacturers name, tyre name:	MITAS, SPORT FORCE+ EV
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:	75
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: 1 POLYESTER+1 STEEL SIDEWALL: 1 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 171.3 mm Overall diameter: 654.0 mm
4.1.11. The rims on which the tyre can be mounted:	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

180/60ZR17 (75W) SPORT FORCE+ EV, MITAS

Manufacturer's name and address:

Tyre Manufacturer (1)

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

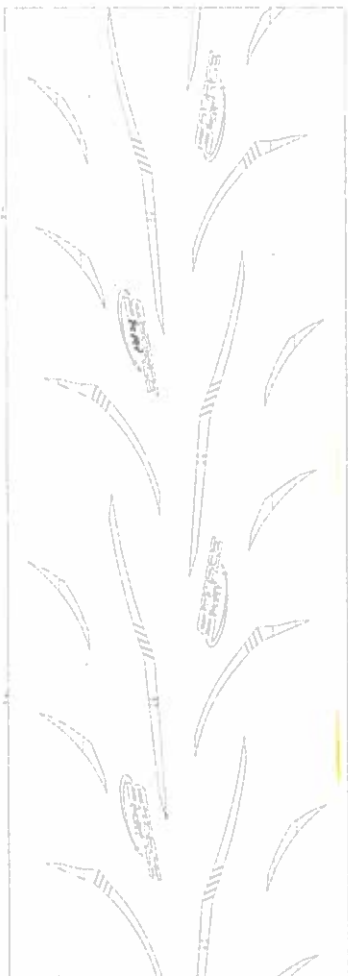
Tyre Manufacturer (2)

Trelleborg Wheel Systems Czech Republic a.s.
Výrobní úsek Zlín, Šedesátá č.p. 5638
762 02 Zlín, CZECH REPUBLIC

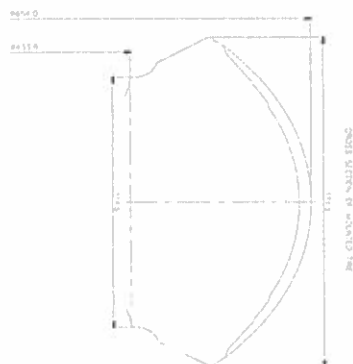
Tyre Manufacturer (3)

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



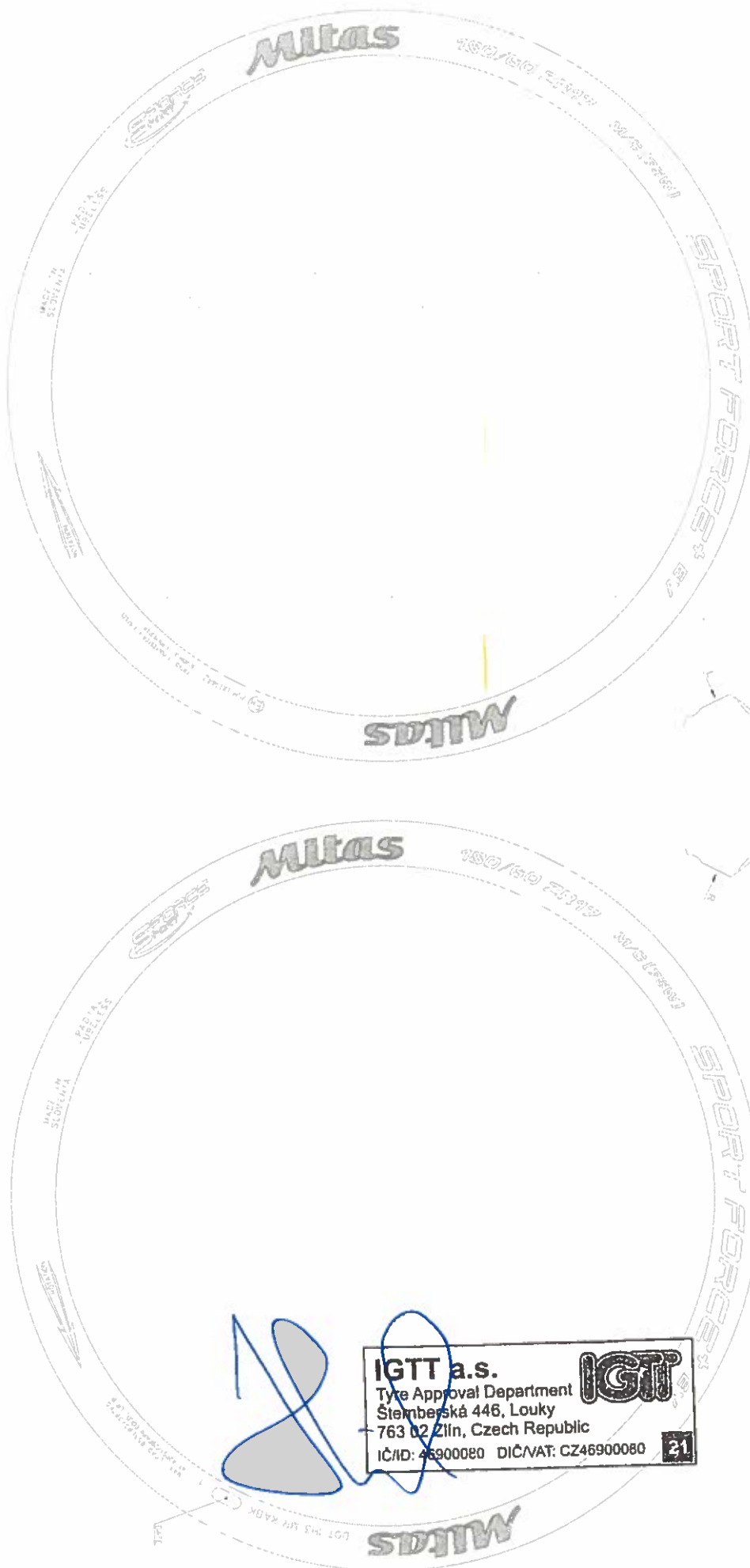


Technical drawing of a tire tread pattern, showing a series of diagonal sipes and grooves.



Technical drawing of a tire cross-section, showing the internal structure and dimensions.

Item	Description	Quantity	Unit	Material	Remarks
1	IGTT a.s.	1	PC	IGTT a.s.	IGTT a.s.
2	Tyre Approval Department	1	PC	Tyre Approval Department	Tyre Approval Department
3	Štemberská 446, Louky	1	PC	Štemberská 446, Louky	Štemberská 446, Louky
4	763 02 Zlín, Czech Republic	1	PC	763 02 Zlín, Czech Republic	763 02 Zlín, Czech Republic
5	IČ/D: 46900080 DIČ/VAT: CZ46900080	1	PC	IČ/D: 46900080 DIČ/VAT: CZ46900080	IČ/D: 46900080 DIČ/VAT: CZ46900080



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



21

Technical drawing of a tire tread pattern, showing a series of diagonal sipes and grooves.

Technical drawing of a tire cross-section, showing the internal structure and dimensions.

**TRELLEBORG TEST REPORT No. 2022 - 5664**

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
 Requirement No.: BG/22065
 Dept.: Moto Kranj Task: 11B/2022/BG
 Project No.: 11B/2022/BG
 Application date: 10.11.2022
 Report issue date: 14.11.2022
 Test motive: Prototype tyres P-44/22 No.2,3,4,5,6,7 (ECE homolog.)

2. Tested sample: Tyre
 Sort: M Ident. No.: 54038
 Dimension 180/60ZR17 Name: Mitas Sport Force+ EV
 Designation 1.7 Product: TWS Moto Approval E8 75R 001442
 LI: 75 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6.3 kg Measuring rim 5.00x17 DOT: 1H3 DOP: 4422

3. Test: Sidewall lettering inspection
 Method: KPB-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: See appendix of protocol: 22-5664
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75 and other standards
 -

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.

Approved by: Laboratory quality manager RNDr. Petr Slíž



IGTT a.s.
 Tyre Approval Department
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 CID: 46500080 DIC/VAT: CZ46900080

Sample No.: 54038 Size: 180/60ZR17 Mitas Sport Force+ EV Method: KPB-M-003

Date: 11.11.2022

Dimension of approval mark:

diameter of circle: 11 mm

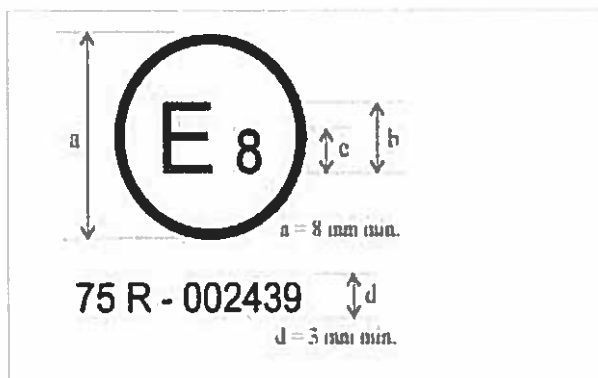
height of letter E: 6 mm

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

**TRELLEBORG TEST REPORT No. 2022 - 5665**

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/22065
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 11B/2022/BG
 4000 Kranj Project No.: 11B/2022/BG
 Slovenia Application date: 10.11.2022
 Responsible: Mr. Gubanc Report issue date: 14.11.2022
 Test motive: Prototype tyres P-44/22 No.2,3,4,5,6,7 (ECE homolog.)

2. Tested sample: Tyre Sort: M Ident. No.: 54038
 Dimension 180/60ZR17 Name: Mitas Sport Force+ EV
 Designation 1,7 Product: TWS Moto Approval E8 75R 001442
 LI: 75 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6.3 kg Measuring rim 5,00x17 DOT: 1H3 DOP: 4422

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: 654 mm (limits from 642 to 663 mm)
 Overall width: 171 mm
 (OW limit nominal 198 mm & -5 mm RiM correction=>limit max 193 mm)
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75
 Udiam: 0,6 mm Uwidth: 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 Testing Laboratory. The results apply to the sample as received.

Approved by: Laboratory quality manager RNDr. Petr Sliž



IGTT a.s.
 Tyre Approval Department
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČ/D: 46900080 DIČ/VAT: CZ46900080 **21**

Sample No 54038 Tyre size: 180/60ZR17 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
12.11.2022	280	2 053	171,1	171,3	171,1	170	170,9	170,8	171,3	654

**TRELLEBORG TEST REPORT No. 2022 - 5666**

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-44/22 No.2,3,4,5,6,7 (ECE homolog.)

Requirement No.: BG/22065
 Dept.: Moto Kranj Task: 11B/2022/BG
 Project No.: 11B/2022/BG
 Application date: 10.11.2022
 Report issue date: 14.11.2022

2. Tested sample: Tyre
 Sort: M Ident. No.: 54038
 Dimension 180/60ZR17 Name: Mitas Sport Force+ EV
 Designation 1.7 Product: TWS Moto Approval E8 75R 001442
 LI: 75 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6.3 kg Measuring rim 5.00x17 DOT: 1H3 DOP: 4422

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: 185 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Without failure.
 Difference of circumference at start and at end of test: 0 %
 Undergo cycles: 103 728 Undergo track: 209 km

6. Evaluation: Criterion no defects and circumf.difference before and 6h after test max. ±3.5%

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.

Approved by: Laboratory quality manager RNDr. Petr Sliz



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

Sample No.: 54038		Dimension: 180/60ZR17		Mitas Sport Force+		Test: RZ-M-003							
ID No.	Test stage	Date time dd.mm.yyy 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	12.11.2022 14:28:12	000:00:00	000:00:00			320			36,3			655
2	Cont	12.11.2022 14:48:56	000:20:00	000:20:00	120,0	185		315		36,5	40	19 814	13
3	Cont	12.11.2022 14:58:58	000:10:00	000:30:00	240,0	185		316		36,8	80	39 634	11
4	Cont	12.11.2022 15:09:00	000:10:00	000:40:00	250,1	185		316		36,5	121	60 186	11
5	Cont	12.11.2022 15:19:02	000:10:00	000:50:00	260,1	185		316		37,0	165	81 554	11
6	Cont	12.11.2022 15:29:05	000:10:00	001:00:00	270,1	185		316		37,3	209	103 728	11
7	Int M	12.11.2022 15:34:18	000:05:13	001:00:00						37,1			
8	Int O	13.11.2022 7:07:26	015:33:08	001:00:00			308			37,1			655
9	End	13.11.2022 7:07:29	000:00:03	001:00:00						37,1			

Tyre width immediately after end of test(mm): 172,9 - 173,2 - 173,3 - 173,2 - 173,0 - 173,0

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

**TRELLEBORG TEST REPORT No. 2022 - 5669**

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/22065
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 11B/2022/BG
 4000 Kranj Project No.: 11B/2022/BG
 Slovenia Application date: 10.11.2022
 Responsible: Mr. Gubanc Report issue date: 15.11.2022
 Test motive: Prototype tyres P-44/22 No.2,3,4,5,6,7 (ECE homolog.)

2. Tested sample: Tyre Sort: M Ident. No.: 54040
 Dimension 180/60ZR17 Name: Mitas Sport Force+ EV
 Designation 3.2 Product: TWS Moto Approval E8 75R 001442
 LI: 75 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,28 kg Measuring rim 5.00x17 DOT: 1H3 DOP: 4422

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: 247 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Without failure.
 Difference of circumference at start and at end of test: 0 %
 Undergo cycles: 95 540 Undergo track: 192 km

6. Evaluation: Criterion no defects and circumf.difference before and 6h after test max. ±3,5%
 -

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.

Approved by: Laboratory quality manager RNDr. Petr Sliž

**IGTT a.s.**Tyre Approval Department
Šternberská 446, Louky
763 02 Zlín, Czech Republic

IČ/ID: 46900080 DIČ/VAT: CZ46900080



Sample No.: 54040		Dimension:		180/60ZR17		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	14.11.2022 12:33:58	000:00:00	000:00:00			320			36.7			654
2	Cont	14.11.2022 12:54:45	000:20:00	000:20:00	124,9	247		311		37,0	42	20 702	16
3	Cont	14.11.2022 13:14:48	000:20:00	000:40:00	250,0	247		313		37,5	125	62 060	15
4	Cont	14.11.2022 13:24:50	000:10:00	000:50:00	265,0	247		313		37,7	169	83 930	15
5	Cont	14.11.2022 13:29:52	000:05:00	000:55:00	280,0	247		313		37,9	192	95 540	14
6	Int: M	14.11.2022 13:35:26	000:05:34	000:55:00						37,6			
7	Int: O	15.11.2022 6:04:11	016:28:46	000:55:00			309			37,6			654
8	End	15.11.2022 6:04:18	000:00:06	000:55:00						37,6			

Tyre width immediately after end of test(mm): 174,0 - 174,0 - 174,1 - 174,1 - 174,5 - 174,1

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