



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



Zlín 28th February 2023

E8*75R00/19*1424*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:

190/55ZR17 MITAS SPORT FORCE+ RS (75W)

with the approval number : **E8 75R - 001424**
date of inspection : **28th February 2023**

inspector's name : **Václav Hořelka**

Sincerely yours,



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

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

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~~APPROVAL WITHDRAWN~~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 mopeds pursuant to Regulation No. 75

Homologace č.:

Rozšíření č.:

Approval No.: **E8*75R00/19*1424*00**

Extension No.: **N/A**

- | | | | |
|------|---|---|--|
| 1. | Jméno a adresa výrobce
Manufacturer's name and address: | : | Viz příloha č. 1 tohoto osvědčení
See Annex 1 of this approval certificate |
| 2. | Označení typu pneumatiky ⁽²⁾
Tyre type designation ⁽²⁾ | : | |
| 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) | : | SPORT FORCE+ RS |
| 3. | Název a adresa zástupce výrobce
(je-li potřebné)
If applicable, name and address of
manufacturer's representative | : | N/A |
| 4. | Souhrnný popis
Sumarized description | : | |
| 4.1. | Označení rozměru pláště
Tyre size designation | : | 190/55ZR17 |
| 4.2. | Kategorie užití
Category of use | : | normální/zimní/moped/terénní/speciální⁽¹⁾
normal/snow/moped/all-terrain (AT)/special⁽¹⁾ |
| 4.3. | Konstrukce
Structure | : | diagonální / radiální / smíšená⁽¹⁾
diagonal / radial / bias belted⁽¹⁾ |
| 4.4. | Kategorie rychlosti
Speed category symbol | : | W |
| 4.5. | Indexy nosnosti
Load capacity index | : | 75 |
| 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. Technický servis a případně zkušební laboratoř schválená pro účely schvalování nebo pro ověřování shodnosti
Technical service and where applicable, test laboratory additional approved purposes of approval or of verification of conformity
6. Datum protokolu, vydaného touto zkušebnou
Date of report issued by that service
7. Číslo protokolu, vydaného touto zkušebnou
Number of report issued by that service
8. Důvod pro rozšíření (je-li potřebné)
Reason (s) of extension (if applicable)
9. Poznámky
Any remarks
10. Místo
Place
11. Datum
Date
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.

8/E:
IGTT a.s. - Institut gumárenské technologie a testování, a.s.
Rubber Technology and Testing Institute, Comp.
Šternberská 446, Louky,
763 02 ZLÍN,
CZECH REPUBLIC

03.01.2023, 18.10.2022
03.01.2023, 03.01.2023

2022-6487, 2022-5101
2022-6488, 2022-6491

N/A

Maximální povolená rychlost 280 km/h
Max permitted speed 280 km/h

Praha
Prague

28.02.2023

Václav Hořelka



Seznam dokumentů List of documents

- Žádost o udělení homologace / Application for approval
- Výkresy bočnice a běhounu pláště / Drawing of the tyre sidewalls and tread
- Kótovaný výkres příčného řezu pláště / Dimensioned drawing of tyre cross – section
- Protokol o zkoušce dle bodu 7. / The test report as mentioned in item 7.

- (1) Nehodící se škrtněte
Delete that which does not apply
- (2) Seznam značek / ochranných známek nebo obchodních popisů / obchodních názvů
může být přílohou k tomuto osvědčení
A list of brand name(s)/trademark(s) or trade description(s)/commercial name(s) may be annexed to this communication

Příloha č. 1 - Jméno a adresa výrobce
Annex 1 – 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, INDIA

Tyre Manufacturer (2)

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

Tyre Manufacturer (3)

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

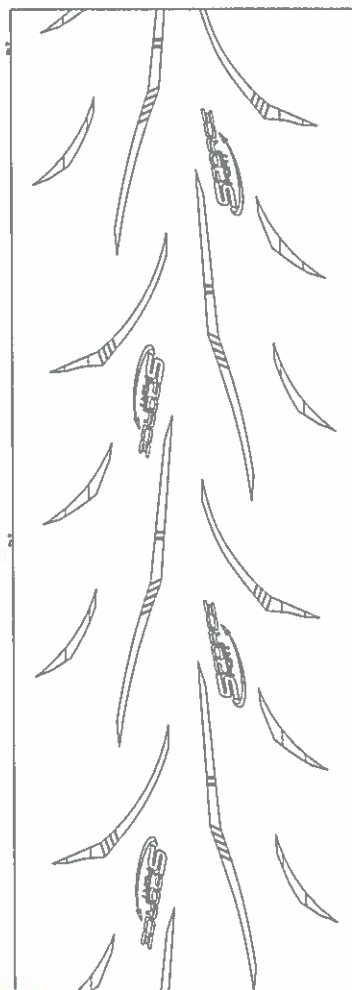
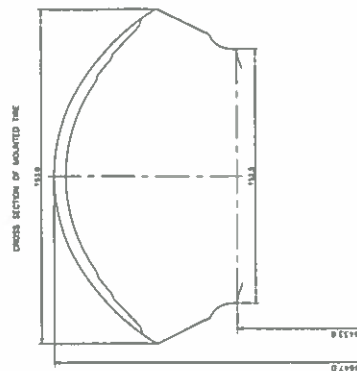
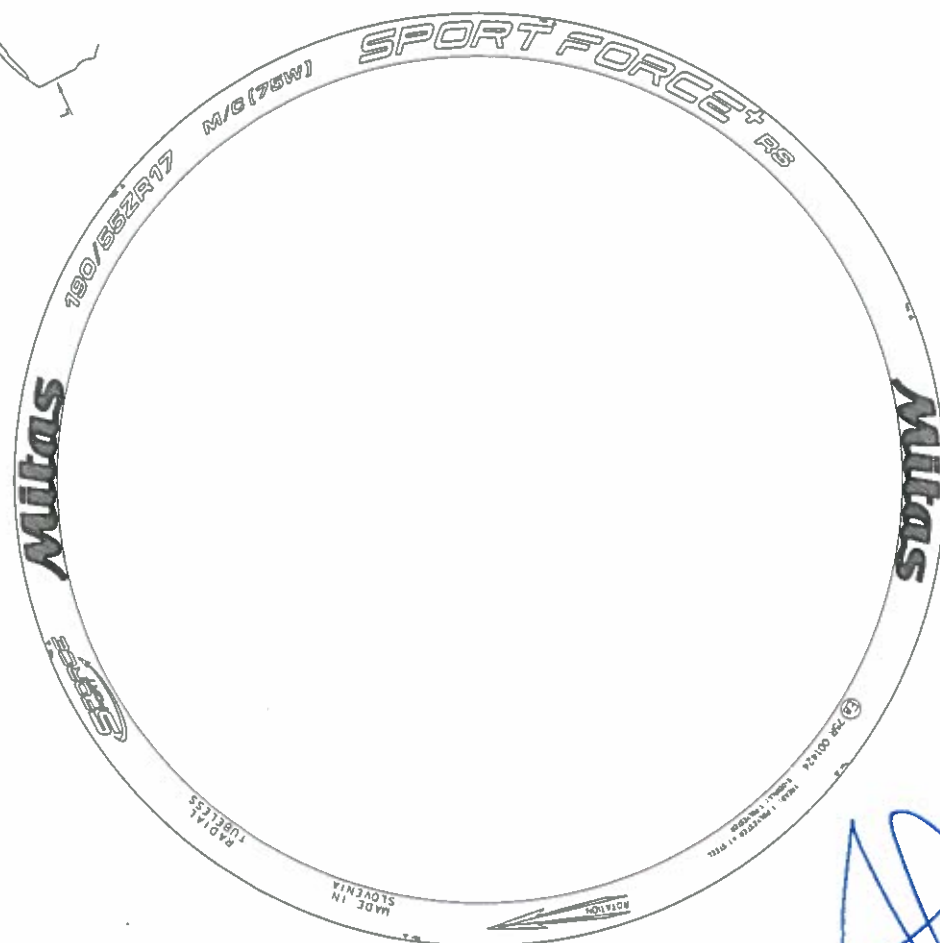
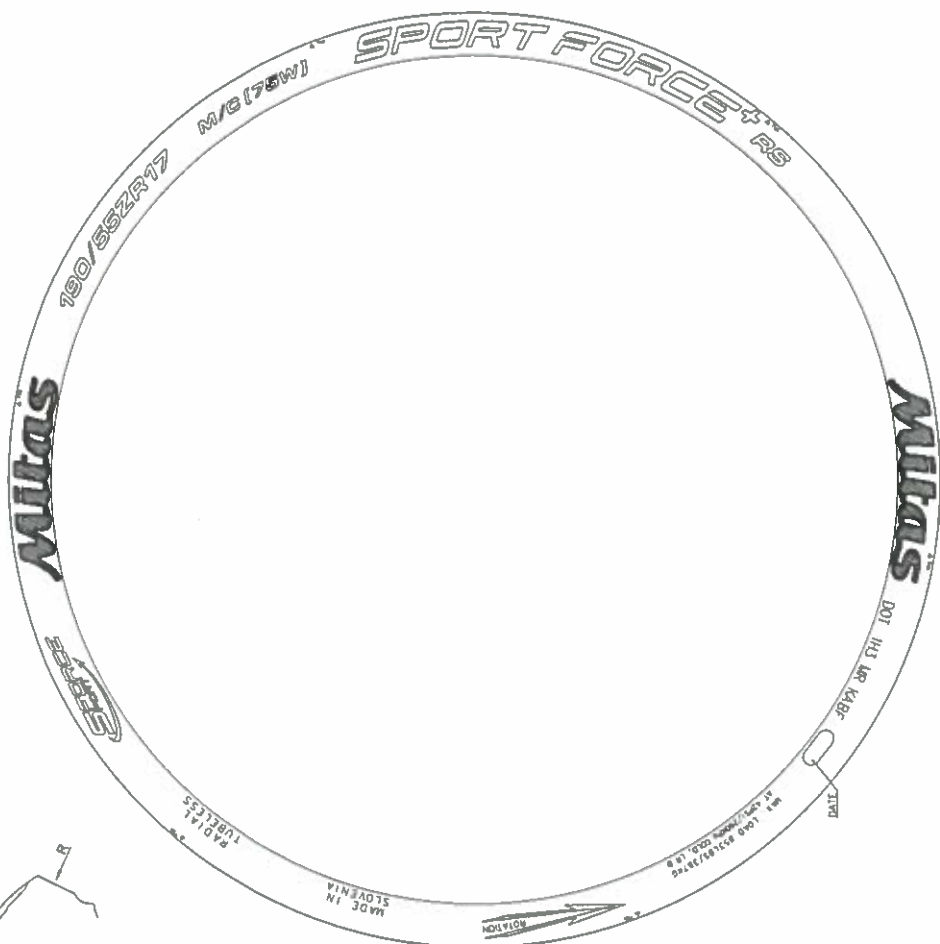


**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE
FOR MOTOR CYCLES AND MOPEDS ACCORDING TO ECE REGULATION No. 75**

4.1.1. Tyre size designation:	190/55ZR17
4.1.2. Manufacturers name, tyre name:	MITAS, SPORT FORCE+ RS
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:	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
The overall dimensions	
4.1.10. overall section width:	Overall section width: 193.1 mm
overall diameter:	Overall diameter: 647.0 mm
4.1.11. The rims on which the tyre can be mounted:	5.50-17, 6.00-17
4.1.12. The measuring rim and test rim:	6.00-17
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



(7426)



IGTT a.s.

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

IČO: 46900080 DIČ/VAT: CZ46900080

[illegible]

**TRELLEBORG TEST REPORT No. 2022 - 6487**

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/22070
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 12B/2022/BG
 4000 Kranj Project No.: 12B/2022/BG
 Slovenia Application date: 19.12.2022
 Responsible: Mr. Gubanc Report issue date: 03.01.2023
 Test motive: Prototype tyres P-51/22 No.5,10,22,24 (ECE homolo. ext. 2)

2. Tested sample: Tyre Sort: M Ident. No.: 54390
 Dimension 190/55ZR17 Name: Mitas Sport Force+ RS
 Designation Product: TWS Moto Approval E8 75R 001424
 LI: 75 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6,38 kg Measuring rim 6,00x17 DOT: H3 DOP: 5022

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: 647 mm (limits from 635 to 656 mm)
 Overall width: 193 mm (limit max 209 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 Slíž



Sample No 54390 Tyre size: 190/55ZR17 Mitas Sport Forc 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
20.12.2022	280	2 033	192,8	192,8	193,1	193	192,7	192,8	193,1	647

**TRELLEBORG TEST REPORT No. 2022-5101**

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/22061
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 10A/2022/BG
 4000 Kranj Project No.: 10A/2022/BG
 Slovenia Application date: 14.10.2022
 Responsible: Mr. Gubanc Report issue date: 18.10.2022
 Test motive: Prototype tyres P-34/22 (ECE homolo. ext.)

2. Tested sample: Tyre Sort: M Ident. No.: 53839
 Dimension 190/55ZR17 Name: Mitas Sport Force+ RS
 Designation 1, 25 Product: TWS Moto Approval E8 75R 001424
 LI: 75 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6.54 kg Measuring rim 6,00x17 DOT: 1H3 DOP: 3822

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: 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: 22-5101
 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 Sliž



Sample No.: 53839 Size: 190/55ZR17 Mitas Sport Force+ RS Method: KPB-M-003

Date: 17.10.2022

Dimension of approval mark:

diameter of circle: 10 mm

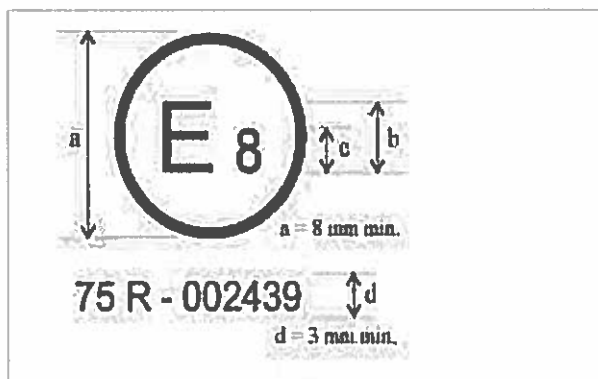
height of letter E: 6 mm

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 - 6488**

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/22070
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 12B/2022/BG
 4000 Kranj Project No.: 12B/2022/BG
 Slovenia Application date: 19.12.2022
 Responsible: Mr. Gubanc Report issue date: 03.01.2023
 Test motive: Prototype tyres P-51/22 No.5,10,22,24 (ECE homolo. ext. 2)

2. Tested sample: Tyre Sort: M Ident. No.: 54390
 Dimension 190/55ZR17 Name: Mitas Sport Force+ RS
 Designation Product: TWS Moto Approval E8 75R 001424
 LI: 75 SS: W IP: 290kPa PR LR: B Type TL
 Weight: 6,38 kg Measuring rim 6,00x17 DOT: H3 DOP: 5022

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: 320kPa capped
 Load: 185 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

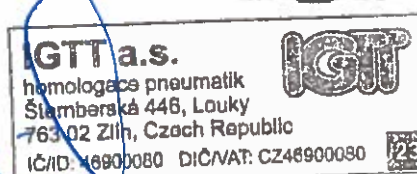
5. Results: Without failure.
 Difference of tyre circumference at start and at end of test: 0 %
 Undergo cycles: 104 846 Undergo track: 210 km

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



Sample No.: 54390		Dimension:		190/55ZR17		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	20.12.2022 15:37:41	000:00:00	000:00:00			320			35,4			648
2	Cont	20.12.2022 15:58:31	000:20:00	000:20:00	119,9	185		312		35,7	40	20 011	12
3	Cont	20.12.2022 16:08:33	000:10:00	000:30:00	240,0	185		313		36,4	80	40 035	11
4	Cont	20.12.2022 16:18:35	000:10:00	000:40:00	250,1	185		313		36,6	122	60 818	11
5	Cont	20.12.2022 16:28:37	000:10:00	000:50:00	260,1	185		313		36,7	165	82 426	11
6	Cont	20.12.2022 16:38:39	000:10:00	001:00:00	270,1	185		313		36,9	210	104 846	11
7	Int:M	20.12.2022 16:41:37	000:02:58	001:00:00						36,8			
8	Int:O	21.12.2022 7:01:14	014:19:36	001:00:00			310			36,8			648
9	End	21.12.2022 7:01:27	000:00:14	001:00:00						36,8			

Tyre width immediately after end of test(mm): 195,3 - 195,3 - 195,4 - 195,4 - 195,5 - 195,4

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

**TRELLEBORG****TEST REPORT No. 2022 - 6491**

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-51/22 No.5,10,22,24 (ECE homolo. ext. 2)

Requirement No.: BG/22070
 Dept.: Moto Kranj Task: 12B/2022/BG
 Project No.: 12B/2022/BG
 Application date: 19.12.2022
 Report issue date: 03.01.2023

2. Tested sample: Tyre
 Sort: M Ident. No.: 54392
 Dimension 190/55ZR17 Name: Mitas Sport Force+ RS
 Designation Product: TWS Moto Approval E8 75R 001424
 LI: 75 SS: W IP: 290 kPa PR LR: B Type TL
 Weight: 6.36 kg Measuring rim 6,00x17 DOT: H3 DOP: 5022

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: 247 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 %

Undergo cycles: 96 433 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: I. 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.
 homologace pneumatik
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČ/D: 46500080 DIČ/VAT: CZ46900080

Sample No.: 54392		Dimension: 190/55ZR17		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	20.12.2022 14:33:16	000:00:00	000:00:00			320			35,5			648
2	Cont	20.12.2022 14:54:05	000:20:00	000:20:00	124,8	247		308		35,1	42	20 909	16
3	Cont	20.12.2022 15:14:07	000:20:00	000:40:00	250,0	247		310		35,1	125	62 647	14
4	Cont	20.12.2022 15:24:09	000:10:00	000:50:00	265,0	247		310		35,1	169	84 698	14
5	Cont	20.12.2022 15:29:11	000:05:00	000:55:00	280,0	247		310		35,9	192	96 433	14
6	Int:M	20.12.2022 15:32:48	000:03:36	000:55:00						35,9			
7	Int:O	21.12.2022 6:59:03	015:26:15	000:55:00			310			35,9			648
8	End	21.12.2022 6:59:08	000:00:05	000:55:00						35,9			

Tyre width immediately after end of test(mm): 196,4 - 196,4 - 196,3 - 196,3 - 196,4 - 196,4

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