



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 01st March 2024

E8*75R00/19*1626*00

Yokohama TWS Slovenija 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:

100/80-17 MITAS SPORT FORCE+ 52S

with the approval number : **E8 75R - 001626**

date of inspection : **01st March 2024**

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 – 001626

4.1.1. Tyre size designation:	100/80-17
4.1.2. Manufacturers name, tyre name:	MITAS, SPORT FORCE+
4.1.3. The category of use:	NORMAL
4.1.4. Structure (diagonal, bias belted, radial):	DIAGONAL
4.1.5. The speed category:	S
4.1.6. The load-capacity index of the tyre:	52
4.1.7. Tube type or Tubeless:	TUBELESS/TUBE TYPE
4.1.8. Normal or Reinforced:	NORMAL
4.1.9. Ply rating number of tyres for motorcycle derivatives:	TREAD: 3 POLYESTER SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 98.4 mm Overall diameter: 592.0 mm
4.1.11. The rims on which the tyre can be mounted:	2.15x17, 2.50x17, 2.75x17
4.1.12. The measuring rim and test rim:	2.50x17
4.1.13. The test and measurement pressure	Test pressure: 300 kPa Measuring pressure: 225 kPa
4.1.14. Factor x	/
4.1.15. Max allowed speed for load-capacity defined in 4.1.6.	180 km/h

Manufacturer's name and address:

Tyre Manufacturer (1)

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

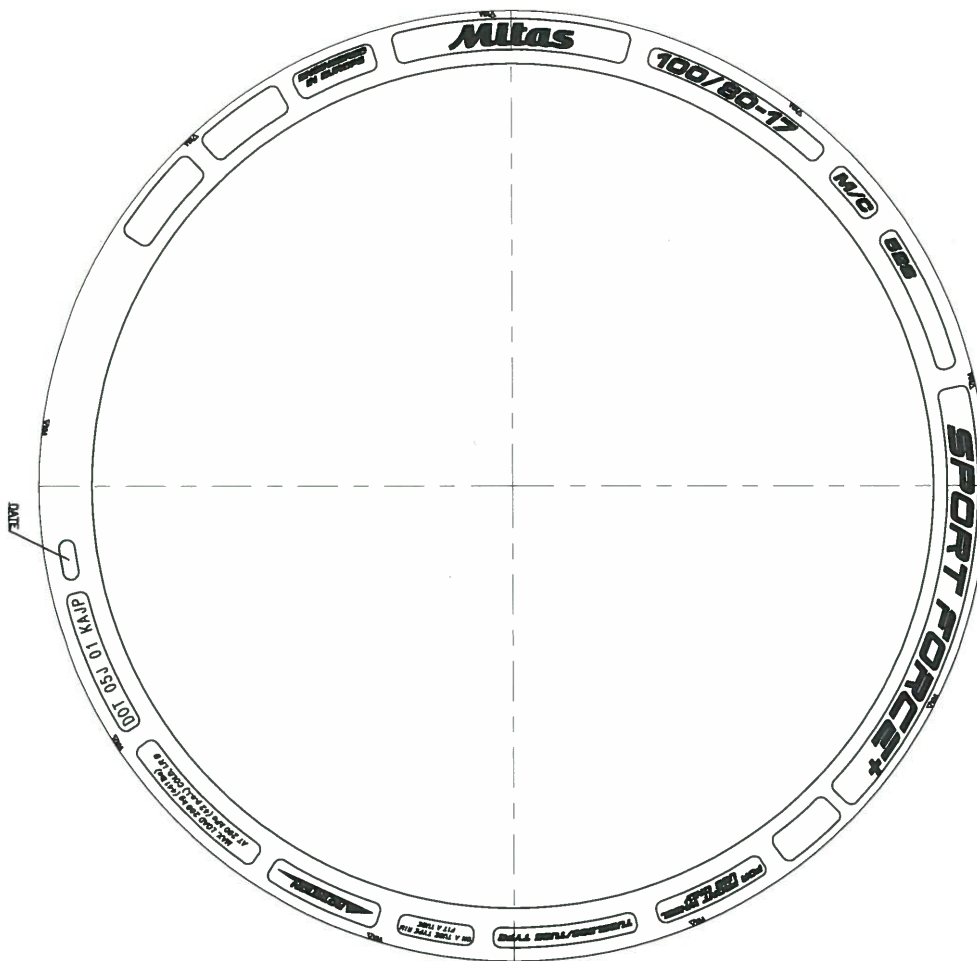
Tyre Manufacturer (2)

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

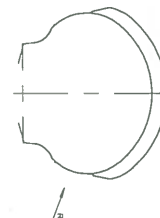
Tyre Manufacturer (3)

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





DISPOSITION ON TYRE - BOTTOM HALF OF THE MOULD
(VIEW 1)



Mitas	
N356335	
1	

[Handwritten signature]

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



TEST REPORT No. 2024 - 872

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: Yokohama TWS Slovenia, d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: ing. Macháčová
 Requirement No.: MM/24095
 Dept.: Moto Kranj Task:
 Project No.: 70001251
 Application date: 9. 2. 2024
 Report issue date: 19. 2. 2024
 Test motive: Testing of V3 spec., Code: 70001251 (NEW)

2. Tested sample: Tyre
 Sort: M Ident. No.: 57906
 Dimension 100/80-17 Name: Mitas Sport Force+
 Designation Product: Yokohama TWS I Approval E8 75R-001626
 LI: 52 SS: S IP: 290 kPa PR LR: B Type TL/TT
 Weight: 3,6 kg Measuring rim 2,50x17 DOT: 05J DOP: 0224

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: 2,50Cx17 Inflation: 225 kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Overall diameter: 592 mm
 Overall width: 98,4 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/D: 48900080 DIČ/VAT: CZ46900080

Sample No 57906 Tyre size: 100/80-17 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
17. 2. 2024	225	1 860	98,1	98,3	98,4	98,2	98,4	98,2	98,4	592

TEST REPORT No. 2024 - 870

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: Yokohama TWS Slovenia, d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: ing. Macháčová
 Requirement No.: MM/24095
 Dept.: Moto Kranj Task:
 Project No.: 70001251
 Application date: 9. 2. 2024
 Report issue date: 19. 2. 2024
 Test motive: Testing of V3 spec., Code: 70001251 (NEW)

2. Tested sample: Tyre
 Sort: M Ident. No.: 57906
 Dimension 100/80-17 Name: Mitas Sport Force+
 Designation Product: Yokohama TWS I Approval E8 75R-001626
 LI: 52 SS: S IP: 290 kPa PR LR: B Type TL/TT
 Weight: 3,6 kg Measuring rim 2,50x17 DOT: 05J DOP: 0224

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

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 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 24-0870.

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

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



Sample No.: 57906 Size: 100/80-17 Mitas Sport Force+ Method: KPB-M-003

Date: 16. 2. 2024

Dimension of approval mark:

diameter of circle: 11 mm

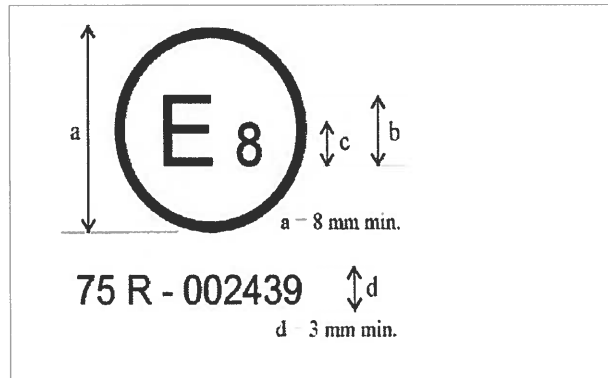
height of letter E: 6 mm

height of number: 4 mm

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

Sidewall lettering:

b $\geq$ 4 mm (min): 3 mm



b TUBELESS M + S

Measured where (text): Tubeless

Size designation (text) : Yes

Structure (diagonal/bias belted/radial): -

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: No

Running rotation (mark): Yes

Visible defects or damages: No

QC check mark (stamp): No

Manuf.name or country of or Yes

TWI markings: Yes

DP (mark): No

NHS (mark): No

TEST REPORT No. 2024 - 874

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: Yokohama TWS Slovenia, d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: ing. Macháčová
 Test motive: Testing of V3 spec., Code: 70001251 (NEW)

Requirement No.: MM/24095
 Dept.: Moto Kranj Task:
 Project No.: 70001251
 Application date: 09.02.2024
 Report issue date: 14.02.2024

2. Tested sample: Tyre
 Sort: M Ident. No.: 57907
 Dimension 100/80-17 Name: Mitas Sport Force+
 Designation Product: Yokohama TWS I Approval E8 75R-001626
 LI: 52 SS: S IP: 290 kPa PR LR: B Type TL/TT
 Weight: 3,6 kg Measuring rim 2,50x17 DOT: 05J DOP: 0424

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

4. Test condition: Testing machine: H1P Drum: 1700 mm Ambient temperature: 38±3°C
 Testing rim: 2,50Cx17 Inflation: 300 kPa capped
 Load: 127 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: 0,8 %

Undergo cycles: 68 350 Undergo track: 126 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.



Sample No.: 57907		Dimension:		100/80-17		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	13.02.2024 12:16:50	000:00:00	000:00:00			300			36,6			596
2	Cont	13.02.2024 12:37:40	000:20:00	000:20:00	70,0	125		290		37,0	23	12 745	8
3	Cont	13.02.2024 12:47:42	000:10:00	000:30:00	140,0	125		293		37,2	47	25 391	5
4	Cont	13.02.2024 12:57:44	000:10:00	000:40:00	150,0	125		294		37,3	72	38 858	4
5	Cont	13.02.2024 13:07:46	000:10:00	000:50:00	160,0	125		294		37,5	98	53 181	4
6	Cont	13.02.2024 13:17:48	000:10:00	001:00:00	170,0	125		295		37,6	126	68 350	3
7	Int:M	13.02.2024 13:27:07	000:09:19	001:00:00						37,2			
8	Int:O	14.02.2024 6:56:39	017:29:32	001:00:00			276			37,2			600
9	End	14.02.2024 6:56:41	000:00:02	001:00:00						37,2			

Tyre width immediately after end of test(mm): 98,2 - 98,2 - 98,4 - 98,2 - 98,4 - 98,3

Change of tyre circumference before test and 6h after test (%): 0,80

TEST REPORT No. 2024 - 875

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: Yokohama TWS Slovenia, d.o.o. Requirement No.: MM/24095
Škofjeloška cesta 6 Dept.: Moto Kran Task:
4000 Kranj Project No.: 70001251
Slovenia Application date: 09.02.2024
Responsible: ing. Macháčová Report issue date: 15.02.2024
Test motive: Testing of V3 spec., Code: 70001251 (NEW)

2. Tested sample: Tyre Sort: M Ident. No.: 57907
Dimension 100/80-17 Name: Mitas Sport Force+
Designation Product: Yokohama TWS I Approval E8 75R-001626
LI: 52 SS: S IP: 290 kPa PR LR: B Type TL/TT
Weight: 3,6 kg Measuring rim 2,50x17 DOT: 05J DOP: 0424

3. Test: Dynamic growth test
Method: MDN-M-003 accredited

4. Test condition: Testing machine: DN Drum: - mm Ambient temperature: 25±5°C
Testing rim: 2,50Cx17 Inflation: 250 kPa capped
Load: daN Drum speed: 180 km/h Slip: 0° Camber: 0°
Cycle min/max: Track min/max: km

5. Results: Max. centrifugal radius of tyre at max. speed: 303,8 mm
Overall width of tyre at max. speed: 91,9 mm

Undergo cycles: Undergo track: km

6. Evaluation: Criterion profil doesn't exceed limit curve
Uinfl = 3 kPa; Utime +1 s; Uspeed = 2 km/h; Udist=0,7mm

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. 1. Tyre profile record : S1-Test limit, S2-10 km/h, S3-180 km/h

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



