

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



Zlín 14th March 2024

E8*75R00/20*1645*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:

140/70-17 MITAS SPORT FORCE+ 66H

with the approval number : **E8 75R - 001645**

date of inspection : **14th 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 – 001645

4.1.1. Tyre size designation:	140/70-17
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:	H
4.1.6. The load-capacity index of the tyre:	66
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: 133.4 mm Overall diameter: 627.0 mm
4.1.11. The rims on which the tyre can be mounted:	3.50x17, 3.75x17, 4.00x17, 4.25x17, 4.50x17
4.1.12. The measuring rim and test rim:	3.50x17
4.1.13. The test and measurement pressure	Test pressure: 350 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.	210 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



[illegible]

IČ/ID: 46900080 DIČ/VAT: CZ46900080



TEST REPORT No. 2024 - 390

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/24032
 Dept.: Moto Kranj Task:
 Project No.:
 Application date: 18.01.2024
 Report issue date: 26.01.2024
 Test motive: Testing of V1 spec., Code: 70001234 (579128)

2. Tested sample: Tyre
 Sort: M Ident. No.: 57632
 Dimension 140/70-17 Name: Mitas Sport Force+
 Designation Product: Yokohama TWS I Approval -
 LI: 66 SS: H IP: 290 kPa PR LR: B Type TL
 Weight: 5,3 kg Measuring rim 3,75x17 DOT: - DOP: 4723

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 24-0390.

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.

Sample No.: 57632 Size: 140/70-17 Mitas Sport Force+ Method: KPB-M-003

Date: 25.01.2024

Dimension of approval mark:

diameter of circle: 0 mm

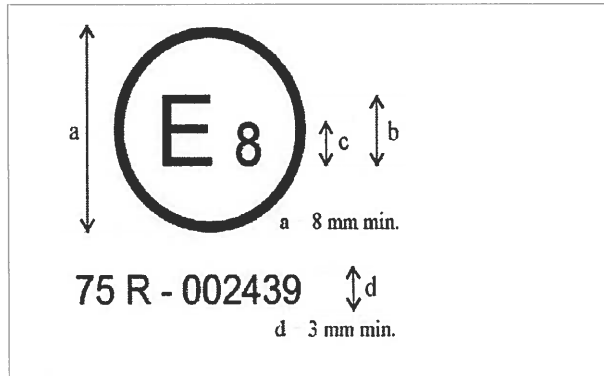
height of letter E: 0 mm

height of number: 0 mm

height of text 75R....: 0 mm

Sidewall lettering:

b ≥ 4 mm (min): 3 mm



b TUBELESS M + S

Measured where (text): Tubeless

Size designation (text) : Yes

Structure (diagonal/bias belted/radial): D

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 - 391

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 V1 spec., Code: 70001234 (579128)

Requirement No.: MM/24032
 Dept.: Moto Kranj Task:
 Project No.:
 Application date: 18.01.2024
 Report issue date: 30.01.2024

2. Tested sample: Tyre Sort: M Ident. No.: 57632
 Dimension 140/70-17 Name: Mitas Sport Force+
 Designation Product: Yokohama TWS I Approval -
 LI: 66 SS: H IP: 290 kPa PR LR: B Type TL
 Weight: 5,3 kg Measuring rim 3,75x17 DOT: - DOP: 4723

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: MT3,50x17 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: 627 mm
 Overall width: 133,4 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.

Sample No 57632 Tyre size: 140/70-17 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
26.01.2024	280	1 970	133,1	133	133,4	133,4	132,8	133	133,4	627

TEST REPORT No. 2024 - 394

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/24032
 Dept.: Moto Kranj Task:
 Project No.:
 Application date: 18.01.2024
 Report issue date: 22.01.2024
 Test motive: Testing of V1 spec., Code: 70001234 (579128)

2. Tested sample: Tyre
 Sort: M Ident. No.: 57633
 Dimension 140/70-17 Name: Mitas Sport Force+
 Designation Product: Yokohama TWS I Approval -
 LI: 66 SS: H IP: 290 kPa PR LR: B Type TL
 Weight: 5,26 kg Measuring rim 3,75x17 DOT: - DOP: 4723

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: MT3,50x17 H2 Inflation: 350 kPa capped
 Load: 191 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: 1,2 %
 Undergo cycles: 80 538 Undergo track: 160 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.: 57633		Dimension:		140/70-17		Mitas Sport Force+		Test:		RZ-M-003			
ID No.	Test stage	Date time dd.mm.rrrr 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	20.01.2024 7:04:58	000:00:00	000:00:00			350			36,3			630
2	Cont	20.01.2024 7:25:10	000:20:00	000:20:00	90,0	189		306		36,5	30	15 346	9
3	Cont	20.01.2024 7:35:13	000:10:00	000:30:00	180,0	189		311		36,9	60	30 511	4
4	Cont	20.01.2024 7:45:15	000:10:00	000:40:00	190,0	189		312		37,1	92	46 408	3
5	Cont	20.01.2024 7:55:17	000:10:00	000:50:00	200,1	189		312		37,3	125	63 096	3
6	Cont	20.01.2024 8:05:19	000:10:00	001:00:00	210,0	189		313		37,5	160	80 538	2
7	Int:M	20.01.2024 8:10:29	000:05:10	001:00:00						37,3			
8	Int:O	20.01.2024 14:19:31	006:09:02	001:00:00			323			37,3			638
9	End	20.01.2024 14:19:33	000:00:02	001:00:00						37,3			

Tyre width immediately after end of test(mm): 135,4 - 136,0 - 135,8 - 135,7 - 135,5 - 135,9

Change of tyre circumference before test and 6h after test (%): 1,21

Cont=Continuation, Int=Interruption: M=compulsory check, O=operator check, K=radius low limit, H=inflation low limit, T=surface temperature limit, S=tread or sidewall separation, C=cycles limit, D=distance limit, Ć=time limit, P=machine problem, A=current increase

TEST REPORT No. 2024 - 395

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

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1. Customer: Yokohama TWS Slovenia, d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: ing. Macháčová
 Test motive: Testing of V1 spec., Code: 70001234 (579128)

Requirement No.: MM/24032
 Dept.: Moto Kranj Task:
 Project No.:
 Application date: 18.01.2024
 Report issue date: 30.01.2024

2. Tested sample: Tyre
 Sort: M Ident. No.: 57633
 Dimension 140/70-17 Name: Mitas Sport Force+
 Designation Product: Yokohama TWS I Approval -
 LI: 66 SS: H IP: 290 kPa PR LR: B Type TL
 Weight: 5,26 kg Measuring rim 3,75x17 DOT: - DOP: 4723

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: MT3,50x17 H2 Inflation: 290 kPa capped
 Load: daN Drum speed: 210 km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Max. centrifugal radius of tyre at max. speed: 323,3 mm
 Overall width of tyre at max. speed: 127,0 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. Tyre profile record : S1-Test limit, S2-10 km/h, S3-210 km/h

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