



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 13th March 2024

E8*75R00/20*1518*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:

150/70R17 MITAS ENDURO TRAIL-ADV 69V

with the approval number : **E8 75R - 001518**

date of inspection : **13th 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 – 001518

4.1.1. Tyre size designation:	150/70R17
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL-ADV
4.1.3. The category of use:	SNOW
4.1.4. Structure (diagonal, bias belted, radial):	RADIAL
4.1.5. The speed category:	V
4.1.6. The load-capacity index of the tyre:	69
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: 2 POLYESTER+ 1 STEEL SIDEWALL: 2 POLYESTER
The overall dimensions	
4.1.10. overall section width:	Overall section width: 150 mm
overall diameter:	Overall diameter: 647.0 mm
4.1.11. The rims on which the tyre can be mounted:	4.00x17, 4.25x17, 4.50x17
4.1.12. The measuring rim and test rim:	4.50x17
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.	240 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

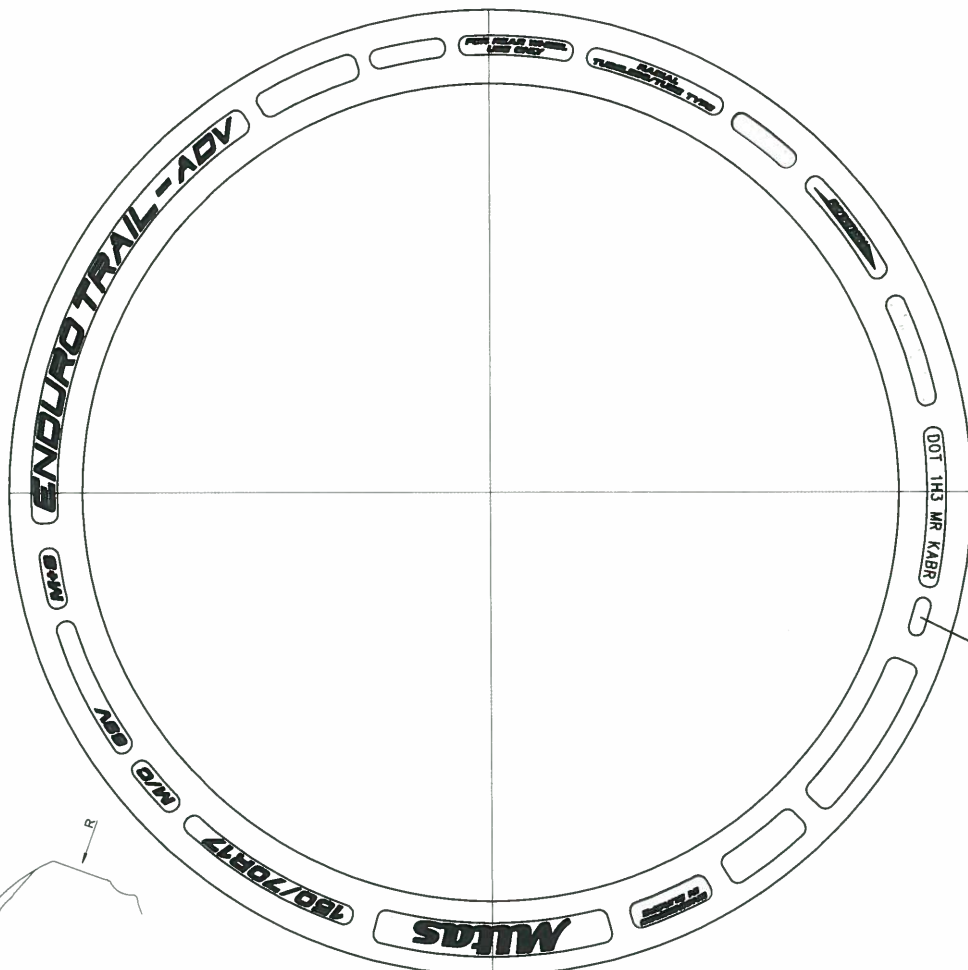
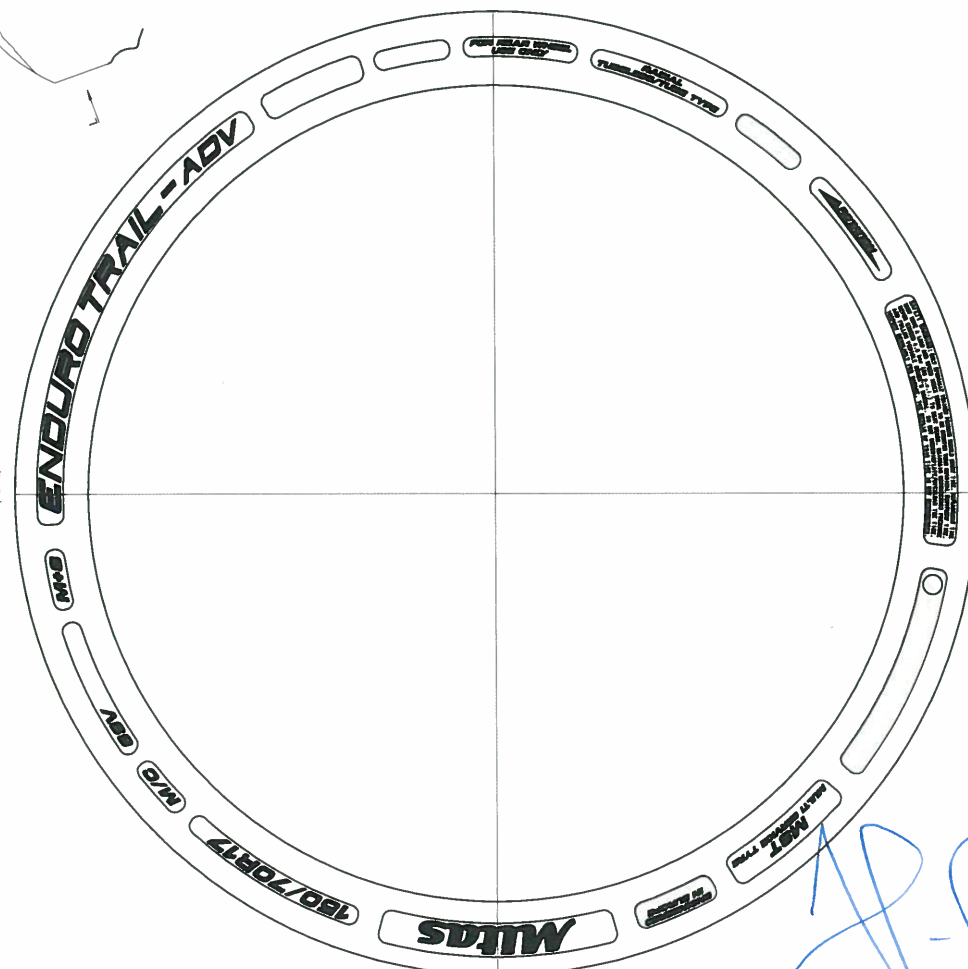




DISPOSITION ON TIRE -- TOP HALF OF THE MOUND
(VIEW L)

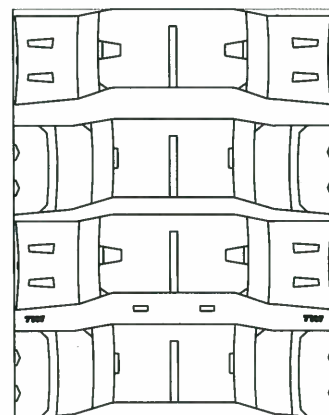


DISPOSITION ON TIRE - BOTTOM HALF OF THE MOULD
(VIEW R)

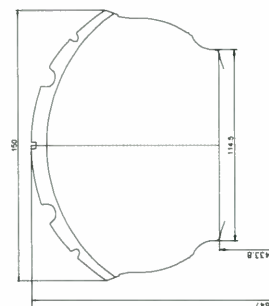


CROSS SECTION OF MOUNTED TIRE

DATE /



OVERALL (open) MITAS ENDURO TRAIL-ADV TREAD PATTERN



CROSS SECTION OF MOUNTED TIRE

DATE /

IGTT a.s.

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

IC/ID: 46900080 DIČ/VAT: CZ46900080

[illegible]

TEST REPORT No. 2023 - 6413

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: Proto. tyres P-49/23 No.V1 5,V1 6,V1 8,V2 1,V2 2, V2 3, V2 4 (ECE

Requirement No.: BG/23052
 Dept.: Moto Kranj Task: 12J/2023/BG
 Project No.: 12J/2023/BG
 Application date: 15.12.2023
 Report issue date: 04.01.2024

2. Tested sample: Tyre Sort: M Ident. No.: 57450
 Dimension 150/70R17 Name: Mitas Enduro Trail-ADV
 Designation V1#5 Product: TWS Moto Approval E8 75R 001518
 LI: 69 SS: V IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 6,46 kg Measuring rim 4,25x17 DOT: 1H3 DOP: 4823

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: 647 mm
 Overall width: 150 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 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. 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 57450 Tyre size: 150/70R17 Mitas Enduro Tra 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
04.01.2024	280	2 033	149,8	150	150	149,7	149,9	149,8	150,0	647

TEST REPORT No. 2023 - 6412

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/23052
 Dept.: Moto Kranj Task: 12J/2023/BG
 Project No.: 12J/2023/BG
 Application date: 15.12.2023
 Report issue date: 04.01.2024
 Test motive: Proto. tyres P-49/23 No.V1 5,V1 6,V1 8,V2 1,V2 2, V2 3, V2 4 (ECE

2. Tested sample: Tyre Sort: M Ident. No.: 57450
 Dimension 150/70R17 Name: Mitas Enduro Trail-ADV
 Designation V1#5 Product: TWS Moto Approval E8 75R 001518
 LI: 69 SS: V IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 6,46 kg Measuring rim 4,25x17 DOT: 1H3 DOP: 4823

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 23-6412.
 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
 IČD: 46900080 DIČ/VAT: CZ46900080

Sample No.: 57450 Size: 150/70R17 Mitas Enduro Trail-ADV Method: KPB-M-003

Date: 03.01.2024

Dimension of approval mark:

diameter of circle: 11 mm

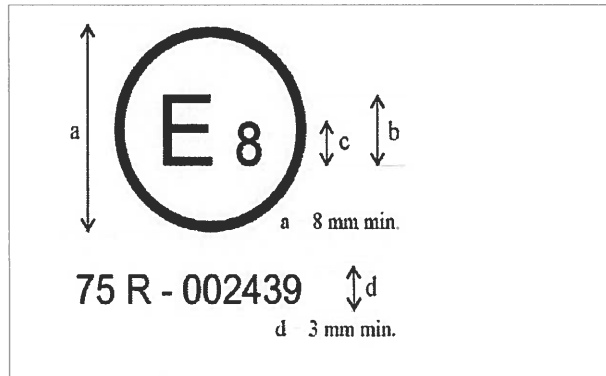
height of letter E: 6 mm

height of number: 4 mm

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

Sidewall lettering:

b >= 4 mm (min): 3 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): Yes

MST (mark): Yes

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. 2023 - 6414

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: Proto. tyres P-49/23 No.V1 5,V1 6,V1 8,V2 1,V2 2, V2 3, V2 4 (ECE

Requirement No.: BG/23052
 Dept.: Moto Kranj Task: 12J/2023/BG
 Project No.: 12J/2023/BG
 Application date: 15.12.2023
 Report issue date: 05.01.2024

2. Tested sample: Tyre Sort: M Ident. No.: 57450
 Dimension 150/70R17 Name: Mitas Enduro Trail-ADV
 Designation V1#5 Product: TWS Moto Approval E8 75R 001518
 LI: 69 SS: V IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 6,46 kg Measuring rim 4,25x17 DOT: 1H3 DOP: 4823

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

4. Test condition: Testing machine: B65L Drum: 1700 mm Ambient temperature: 38±3°C
 Testing rim: MT4,50x17 H2 Inflation: 350 kPa capped
 Load: 176 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

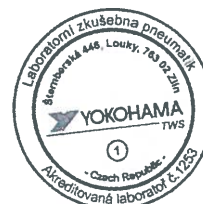
5. Results: Without failure.
 Difference of tyre circumference at start and at end of test: 0 %
 Undergo cycles: 88 290 Undergo track: 176 km

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.: 57450		Dimension:		150/70R17		Mitas Enduro Trail-		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	04.01.2024 9:57:00	000:00:00	000:00:00			350		35,8	35,8			648
2	Cont	04.01.2024 10:18:00	000:20:00	000:20:00	100,1	177		315	49,8	35,9	33	16 698	9
3	Cont	04.01.2024 10:28:00	000:10:00	000:30:00	200,0	178		315	51,7	36,0	67	33 398	9
4	Cont	04.01.2024 10:38:00	000:10:00	000:40:00	210,0	179		315	53,0	36,0	102	50 876	9
5	Cont	04.01.2024 10:48:00	000:10:00	000:50:00	220,0	177		316	54,0	36,1	138	69 176	8
6	Cont	04.01.2024 10:58:00	000:10:00	001:00:00	230,0	176		316	55,0	36,1	176	88 290	8
7	Int:M	04.01.2024 11:05:00	000:06:27	001:00:00					36,0	36,0			
8	Int:O	04.01.2024 17:04:00	005:59:52	001:00:00			342		36,0	36,0			648
9	End	04.01.2024 17:05:00	000:00:04	001:00:00					36,0	36,0			

Tyre width immediately after end of test(mm): 151,5 - 151,7 - 151,7 - 151,7 - 151,8 - 151,6

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

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, Č-time limit, P-machine problem, A-current increase