



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 25th September 2023

E8*75R00/19*1576*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:

110/80-19 MITAS ENDURO TRAIL E-07 59H

with the approval number : **E8 75R - 001576**
date of inspection : **25th September 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 – 001576

4.1.1. Tyre size designation:	110/80-19
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL E-07
4.1.3. The category of use:	SNOW
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:	59
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 SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 110.2 mm Overall diameter: 668.0 mm
4.1.11. The rims on which the tyre can be mounted:	2.15-19, 2.50-19, 2.75-19, 3.00-19
4.1.12. The measuring rim and test rim:	2.50-19
4.1.13. The test and measurement pressure	Test pressure: 350 kPa Measuring pressure: 280 kPa
4.1.14. Factor x	/
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)

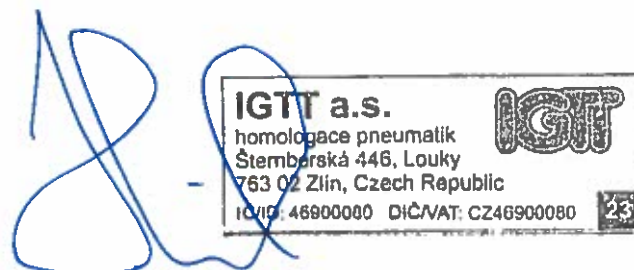
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

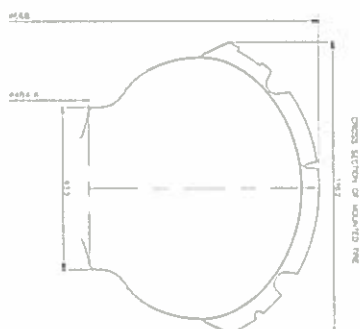
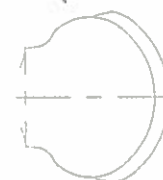
Tyre Manufacturer (2)

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

Tyre Manufacturer (3)

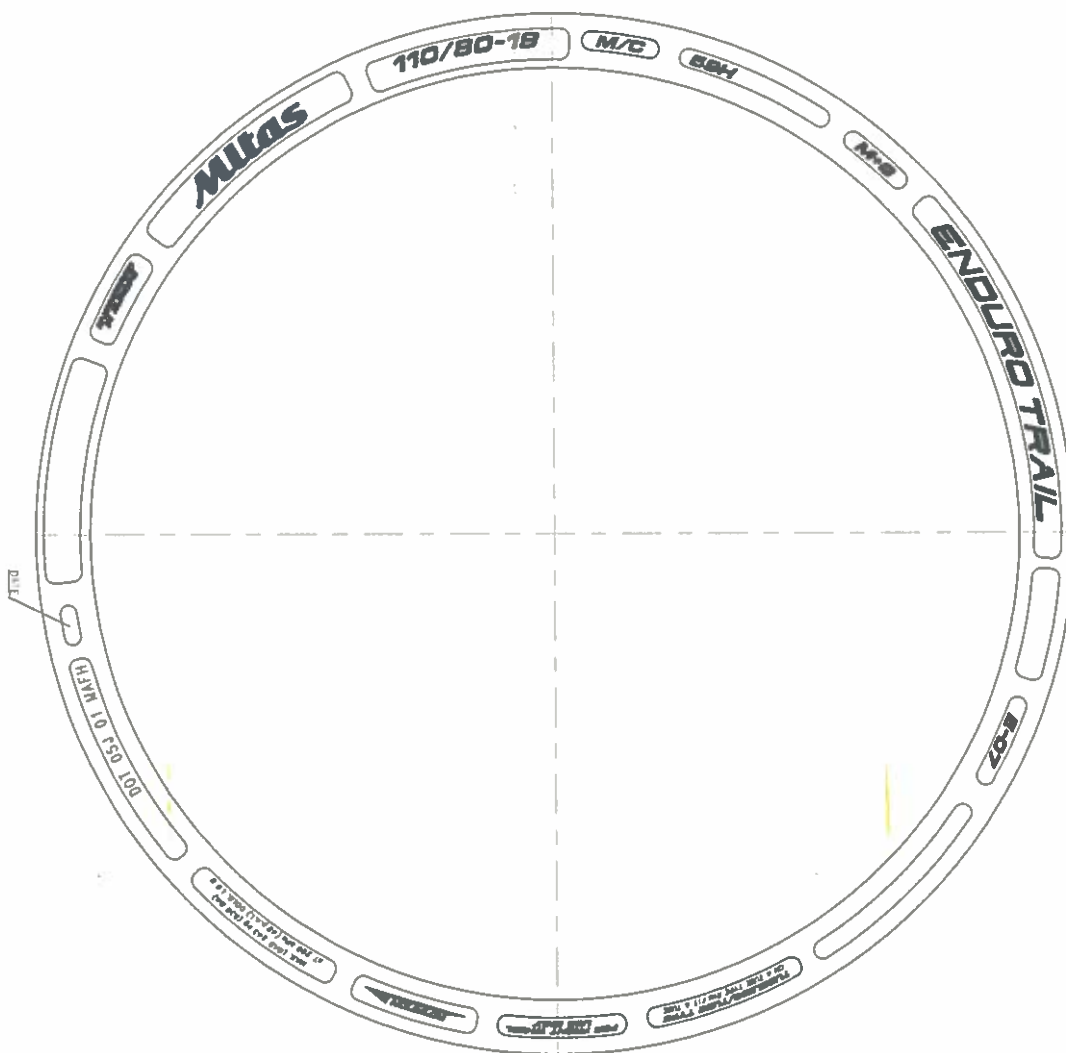
Trelleborg Wheel Systems Moto d.o.o.
Škofjeloška cesta 6,
4000 Kranj, Slovenia



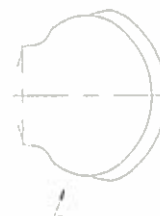


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IGTT a.s.
homologace pneumatik
Štemberská 446, Louky
763 02 Zlín, Czech Republic
IČ/D: 46900080 DIČ/VAT: CZ46900080



ORIENTATION ON TIRE - BOTTOM HALF OF THE SYMBOL
(view 8)



Mitas	
110/80-18	M/C
ENDURO TRAIL	R-97
DOT Q53 10 MAYS	DATE
Mitas	
M/C	
ENDURO TRAIL	
R-97	
DOT Q53 10 MAYS	
DATE	
Mitas	
M/C	
ENDURO TRAIL	
R-97	
DOT Q53 10 MAYS	
DATE	

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TEST REPORT No. 2023 - 3429

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.: DLI/23073
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 06C/2023/DLI
 4000 Kranj Project No.: 70001002
 Slovenia Application date: 12.06.2023
 Responsible: Mr. Lončarič Report issue date: 20.06.2023
 Test motive: Prototype tyres VI (ECE homologation). Code: 70001002 (224439)

2. Tested sample: Tyre Sort: M Ident. No.: 56022
 Dimension 110/80-19 Name: Mitas Enduro Trail E-07
 Designation 1, VI Product: TWS India Approval -
 LI: 59 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 4,76 kg Measuring rim 2,50x19 DOT: DOP: 0823

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: 23-3429

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.: 56022

Size:

110/80-19

Mitás Enduro Trail E-07

Method:

KPB-M-003

Date: 19.06.2023

Dimension of approval mark:

diameter of circle: 0 mm

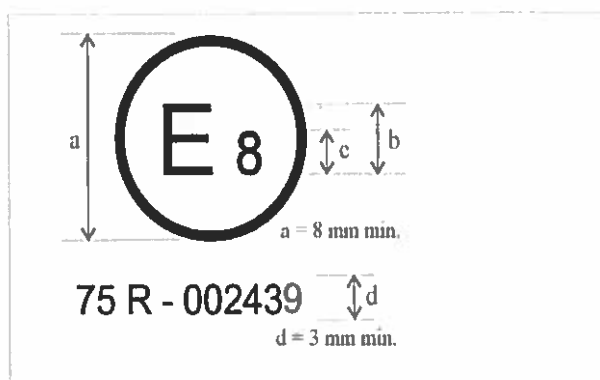
height of letter E: 0 mm

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): 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 - 3431

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.: DLI/23073
Škofjeloška cesta 6 Dept.: Moto Kran Task: 06C/2023/DLI
4000 Kranj Project No.: 70001002
Slovenia Application date: 12.06.2023
Responsible: Mr. Lončarič Report issue date: 20.06.2023
Test motive: Prototype tyres V1 (ECE homologation), Code: 70001002 (224439)

2. Tested sample: Tyre Sort: M Ident. No.: 56022
Dimension 110/80-19 Name: Mitas Enduro Trail E-07
Designation 1, V1 Product: TWS India Approval -
LI: 59 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 4,76 kg Measuring rim 2,50x19 DOT: DOP: 0823

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: 2,50x19 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: 668 mm
Overall width: 110,2 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 56022 Tyre size: 110/80-19 Mitas Enduro Tra 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
20.06.2023	280	2 099	110,1	110,2	110,1	110	110,1	109,9	110,2	668



TEST REPORT No. 2023 - 3434

TTC Zlin, Šternberská 446, Louky, 763 02 Zlin

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.: DLI/23073
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 06C/2023/DLI
 4000 Kranj Project No.: 70001002
 Slovenia Application date: 12.06.2023
 Responsible: Mr. Lončarič Report issue date: 20.06.2023
 Test motive: Prototype tyres VI (ECE homologation), Code: 70001002 (224439)

2. Tested sample: Tyre Sort: M Ident. No.: 56023
 Dimension 110/80-19 Name: Mitas Enduro Trail E-07
 Designation 2. VI Product: TWS India Approval -
 LI: 59 SS: H IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 4,78 kg Measuring rim 2.50x19 DOT: DOP: 0823

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

4. Test condition: Testing machine: H1L Drum: 1700 mm Ambient temperature: 38±3°C
 Testing rim: 2.50x19 H2 Inflation: 350 kPa capped
 Load: 155 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: 0,5 %
 Undergo cycles: 72 792 Undergo track: 151 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.



IGTT a.s.
 homologace pneumatik
 Šternberská 446, Louky
 763 02 Zlin, Czech Republic
 IČ/D: 46900060 DIČ/VAT: CZ46900060 23

Sample No.: 56023		Dimension: 110/80-19		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	17.06.2023 12:36:50	000:00:00	000:00:00			350			37,0			672
2	Cont	17.06.2023 12:56:54	000:20:00	000:20:00	85,1	156		327		37,4	28	13 771	9
3	Cont	17.06.2023 13:06:57	000:10:00	000:30:00	170,0	156		330		37,6	57	27 436	6
4	Cont	17.06.2023 13:16:59	000:10:00	000:40:00	180,0	156		331		37,7	86	41 816	5
5	Cont	17.06.2023 13:27:01	000:10:00	000:50:00	190,0	155		332		37,7	118	56 939	5
6	Cont	17.06.2023 13:37:03	000:10:00	001:00:00	200,0	156		332		37,9	151	72 792	4
7	Int:M	17.06.2023 13:46:52	000:09:49	001:00:00						37,6			
8	Int:O	18.06.2023 6:07:30	016:20:38	001:00:00			327			37,6			676
9	End	18.06.2023 6:07:42	000:00:12	001:00:00						37,6			

Tyre width immediately after end of test(mm): 111,6 - 111,8 - 112,4 - 112,2 - 111,7 - 112,0

Change of tyre circumference before test and 6h after test (%): 0.52

TEST REPORT No. 2023 - 3435

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.: DLI/23073
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 06C/2023/DLI
 4000 Kranj Project No.: 70001002
 Slovenia Application date: 12.06.2023
 Responsible: Mr. Lončarič Report issue date: 26.06.2023
 Test motive: Prototype tyres V1 (ECE homologation). Code: 70001002 (224439)

2. Tested sample: Tyre Sort: M Ident. No.: 56023
 Dimension 110/80-19 Name: Mitas Enduro Trail E-07
 Designation 2, V1 Product: TWS India Approval -
 LI: 59 SS: H IP: 290kPa PR LR: B Type TL M+S MST
 Weight: 4.78 kg Measuring rim 2.50x19 DOT: DOP: 0823

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: 2.50x19 H2 Inflation: 290kPa 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: 341,3 mm
 Overall width of tyre at max. speed: 103,2 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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Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D.



