



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 29th August 2023

E8*75R00/19*1437*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:

120/70ZR19 MITAS ENDURO TRAIL-ADV 60W

with the approval number : **E8 75R - 001437**
date of inspection : **29th August 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APPROVAL WITHDRAWN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.:

Approval No.: **E8*75R00/19*1437*00**

Rozšíření č.:

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) | : | ENDURO TRAIL-ADV |
| 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 | : | 120/70ZR19 |
| 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 | : | 60 |
| 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 | 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 |
| 6. | Datum protokolu, vydaného touto
zkušebnou
Date of report issued by that service | 18.11.2022, 13.02.2023
15.02.2023, 15.02.2023 |
| 7. | Číslo protokolu, vydaného touto
zkušebnou
Number of report issued by that service | 2022-5836, 2023-902
2023-903, 2023-906 |
| 8. | Důvod pro rozšíření (je-li potřebné)
Reason (s) of extension (if applicable) | N/A |
| 9. | Poznámky
Any remarks | Max. povolená rychlost 270 km/h
Max. permitted speed 270 km/h |
| 10. | Místo
Place | Praha
Prague |
| 11. | Datum
Date | |
| 12. | Podpis
Signature | 
<small>Elektronický podpis - 29.8.2023
Certifikát autora podpisu
Ivan Novák
Vydal: PostSignum Qualified CA 4
Platnost do: 29.2.2026 11:49:24 GMT</small> |

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.

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

E8 75 R 001437

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 Zlín, Šedesátá č.p. 5638
762 02 Zlín, CZECH REPUBLIC

Tyre Manufacturer (3)

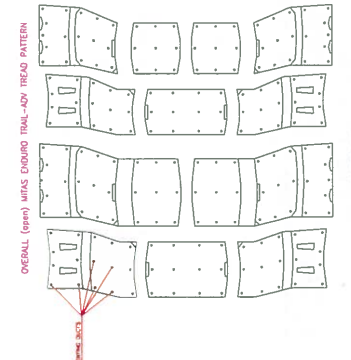
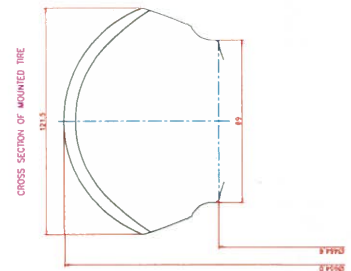
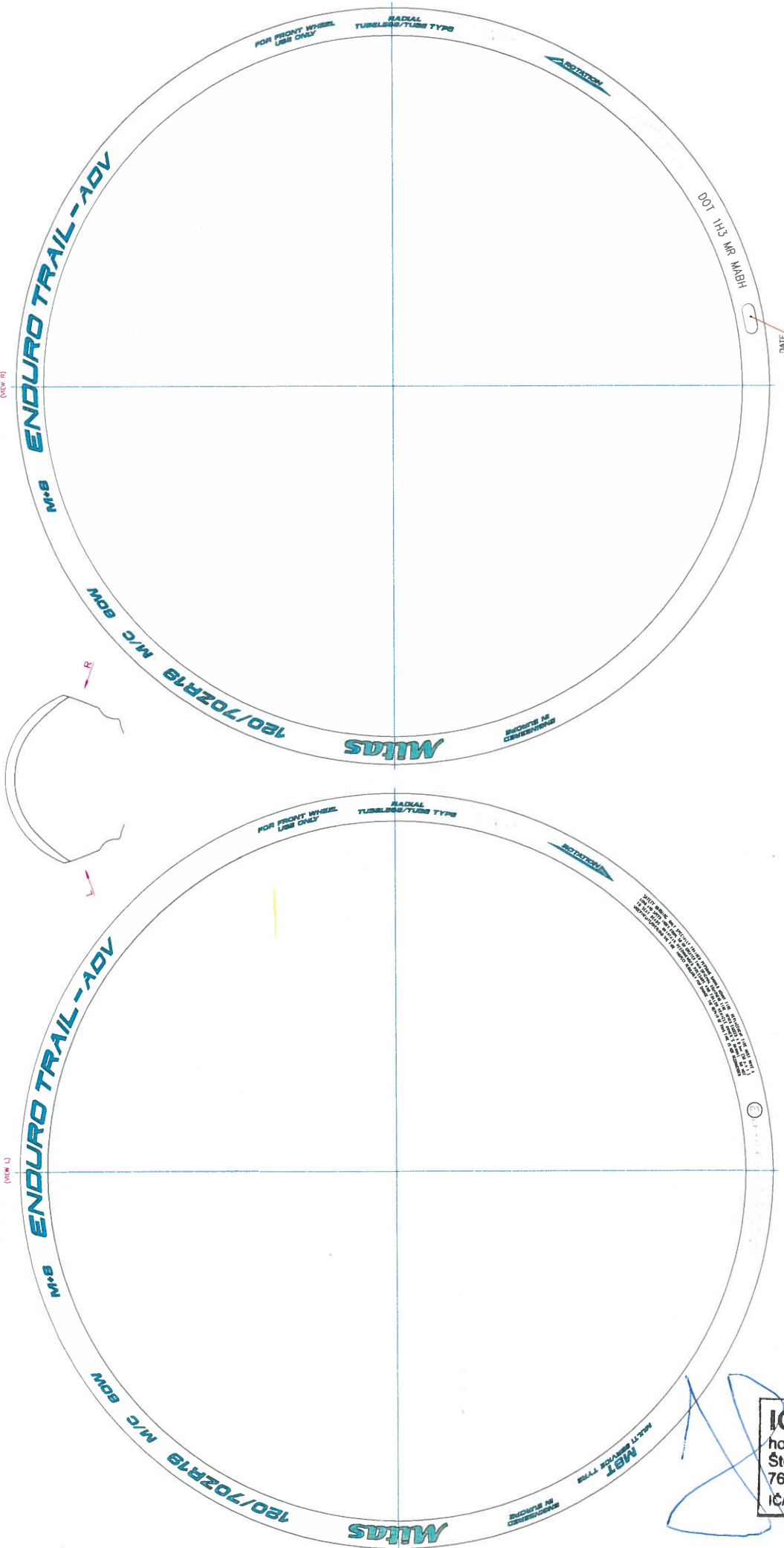
Trelleborg Wheel Systems Moto, d.o.o.
Škofjeloška cesta 6
4000 Kranj, SLOVENIA

**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:	120/70ZR19
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:	W
4.1.6. The load-capacity index of the tyre:	60
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 motor cycle derivatives:	TREAD: 2 POLYESTER+1 STEEL SIDEWALL: 2 POLYESTER
The overall dimensions	
4.1.10. overall section width:	Overall section width: 121.5 mm
overall diameter:	Overall diameter: 654.0 mm
4.1.11. The rims on which the tyre can be mounted:	3.00-19, 3.50-19, 3.75-19
4.1.12. The measuring rim and test rim:	3.50-19
4.1.13. The test and measurement pressure	Test pressure: 320 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.	270 km/h

DISPOSITION ON TYRE - BOTTOM HALF OF THE WHEEL
(VIEW R)

DISPOSITION ON TYRE - TOP HALF OF THE WHEEL
(VIEW L)



Mitas		Mitas	
Model	120/70ZR19	Model	120/70ZR19
Size	120/70ZR19	Size	120/70ZR19
Speed	120/70ZR19	Speed	120/70ZR19
Weight	120/70ZR19	Weight	120/70ZR19
Pressure	120/70ZR19	Pressure	120/70ZR19
Temp	120/70ZR19	Temp	120/70ZR19
Altitude	120/70ZR19	Altitude	120/70ZR19
Humidity	120/70ZR19	Humidity	120/70ZR19
Wind	120/70ZR19	Wind	120/70ZR19
Light	120/70ZR19	Light	120/70ZR19
Sound	120/70ZR19	Sound	120/70ZR19
Other	120/70ZR19	Other	120/70ZR19

IGTT a.s.
 homologace pneumatik
 Sternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČ/D: 46908080 DIČ/VAT: CZ46900080

IGT

23

TEST REPORT No. 2022 - 5836

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-41/22 No.5,6,12,14,18,19,22,23 (ECE testing)

Requirement No.: BG/22064
 Dept.: Moto Kranj Task: 11A/2022/BG
 Project No.: 11A/2022/BG
 Application date: 10.11.2022
 Report issue date: 18.11.2022

2. Tested sample: Tyre Sort: M Ident. No.: 54024
 Dimension 120/70R19 Name: Enduro Trail-ADV
 Designation 7 Product: TWS Moto Approval E8 75R 001437
 LI: 60 SS: V IP: 290 kPa PR LR: B Type TL/TT M+S/M
 Weight: 5,16 kg Measuring rim 3,50x19 DOT: 1H3 DOP: 4122

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

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: MT3,50x19 H2 Inflation: 290 kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: See appendix of protocol: 22-5836
 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.: 54024

Size:

120/70R19

Enduro Trail-ADV

Method:

KPB-M-003

Date:

16.11.2022

Dimension of approval mark:

diameter of circle:

11 mm

height of letter E:

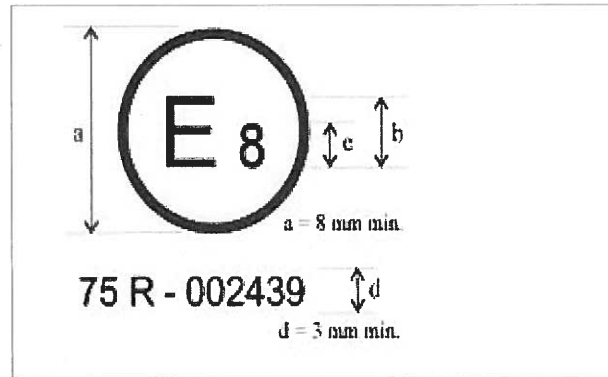
6 mm

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

**TRELLEBORG****TEST REPORT No. 2023 - 902**

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/23002
 Dept.: Moto Kranj Task: 02A/2023/BG
 Project No.: 02A/2023/BG
 Application date: 06.02.2023
 Report issue date: 13.02.2023
 Test motive: Prototype tyres P-01/23 (Št.2) No.5,6,7,8,9,10,11,12 (ECE testing)

2. Tested sample: Tyre
 Sort: M Ident. No.: 54842
 Dimension 120/70R19 Name: Mitas Enduro Trail-ADV
 Designation 1, 10 Product: TWS Moto Approval E8 75R-001437
 LI: 60 SS: W IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 5 kg Measuring rim 3,50x19 DOT: 1H3 DOP: 0423

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: MT3,50x19 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: 654 mm (limits from 651 to 671 mm)
 Overall width: 121,5 mm (limit max. 153 mm)
 Undergo cycles: Undergo track: km

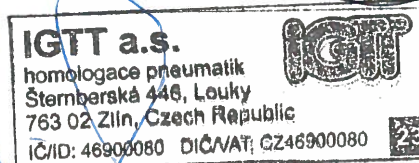
6. Evaluation: Criterion defined in ECE-R75
 Udiam: 0,6 mm Uwidth: 0,6 mm;

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 Sliž



Sample No 54842 Tyre size: 120/70R19 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
11.02.2023	280	2 055	121,5	121,2	120,1	121,2	121,4	121	121,5	654

**TRELLEBORG TEST REPORT No. 2023 - 903**

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/23002
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 02A/2023/BG
 4000 Kranj Project No.: 02A/2023/BG
 Slovenia Application date: 06.02.2023
 Responsible: Mr. Gubanc Report issue date: 15.02.2023
 Test motive: Prototype tyres P-01/23 (Št.2) No.5,6,7,8,9,10,11,12 (ECE testing)

2. Tested sample: Tyre Sort: M Ident. No.: 54842
 Dimension 120/70R19 Name: Mitas Enduro Trail-ADV
 Designation 1, 10 Product: TWS Moto Approval E8 75R-001437
 LI: 60 SS: W IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 5 kg Measuring rim 3,50x19 DOT: 1H3 DOP: 0423

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: MT3,50x19 H2 Inflation: 320 kPa capped
 Load: 120 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: 0,2 %
 Undergo cycles: 103 412 Undergo track: 209 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.: 54842		Dimension:		120/70R19		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	14.02.2023 10:49:36	000:00:00	000:00:00			320			37,6			654
2	Cont	14.02.2023 11:10:24	000:20:00	000:20:00	120,0	119		322		38,9	40	19 714	6
3	Cont	14.02.2023 11:20:26	000:10:00	000:30:00	240,0	119		323		40,1	80	39 458	5
4	Cont	14.02.2023 11:30:28	000:10:00	000:40:00	250,1	118		323		40,4	121	59 961	5
5	Cont	14.02.2023 11:40:30	000:10:00	000:50:00	260,1	119		323		40,5	165	81 290	5
6	Cont	14.02.2023 11:50:32	000:10:00	001:00:00	270,1	119		323		40,1	209	103 412	4
7	Int:M	14.02.2023 11:59:10	000:08:38	001:00:00						38,1			
8	Int:O	14.02.2023 17:56:34	005:57:24	001:00:00			312			38,1			654
9	End	14.02.2023 17:56:37	000:00:03	001:00:00						38,1			

Tyre width immediately after end of test(mm): 122,3 - 122,1 - 122,5 - 122,2 - 122,3 - 122,4

Change of tyre circumference before test and 6h after test (%): 0,15



Trelleborg Wheel Systems Czech Republic a.s., Švehlova 1900/3, Záběhlce, 106 00 Praha

TRELLEBORG TEST REPORT No. 2023 - 906



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-01/23 (Št.2) No.5,6,7,8,9,10,11,12 (ECE testing)

Requirement No.: BG/23002
 Dept.: Moto Kranj Task: 02A/2023/BG
 Project No.: 02A/2023/BG
 Application date: 06.02.2023
 Report issue date: 15.02.2023

2. Tested sample: Tyre
 Dimension 120/70R19 Name: Mitas Enduro Trail-ADV
 Designation 3, 11 Product: TWS Moto Approval E8 75R-001437
 LI: 60 SS: W IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 5 kg Measuring rim 3,50x19 DOT: 1H3 DOP: 0423

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: MT3,50x19 H2 Inflation: 320 kPa capped
 Load: 159 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: 91 358 Undergo track: 185 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

[Signature]



Sample No.: 54844		Dimension:		120/70R19		Mitas Enduro Trail-		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	14.02.2023 12:04:44	000:00:00	000:00:00			320			38,3			654
2	Cont	14.02.2023 12:24:51	000:20:00	000:20:00	119,9	159		320		39,3	40	19 758	7
3	Cont	14.02.2023 12:44:54	000:20:00	000:40:00	240,0	159		321		40,4	120	59 284	6
4	Cont	14.02.2023 12:54:56	000:10:00	000:50:00	255,0	159		321		40,6	162	80 208	6
5	Cont	14.02.2023 12:59:58	000:05:00	000:55:00	270,1	159		321		40,7	185	91 358	6
6	Int:M	14.02.2023 13:05:51	000:05:53	000:55:00						39,8			
7	Int:O	15.02.2023 6:56:23	017:50:32	000:55:00			311			39,8			654
8	End	15.02.2023 6:56:25	000:00:02	000:55:00						39,8			

Tyre width immediately after end of test(mm): 122,7 - 122,6 - 122,9 - 122,8 - 122,8 - 122,7

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