



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 10th July 2023

E8*75R00/19*1484*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:

100/90B19 MITAS ENDURO TRAIL+ E-07+ 57H

with the approval number : **E8 75R - 001484**

date of inspection : **10th July 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~~APPROVAL WITHDRAWN~~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*1484*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+ E-07+ |
| 3. | Název a adresa zástupce výrobce
(je-li potřebné)
If applicable, name and adress of
manufacturer's representative | : | N/A |
| 4. | Souhrnný popis
Sumarized description | : | |
| 4.1. | Označení rozměru pláště
Tyre size designation | : | 100/90B19 |
| 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 | : | H |
| 4.5. | Indexy nosnosti
Load capacity index | : | 57 |
| 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 zkušební
Date of report issued by that service
- 18.01.2023, 18.01.2023
17.01.2023, 17.01.2023
7. Číslo protokolu, vydaného touto zkušební
Number of report issued by that service
- 2023-384, 2023-382
2023-387, 2023-388
8. Důvod pro rozšíření (je-li potřebné)
Reason (s) of extension (if applicable)
- N/A
9. Poznámky
Any remarks
- N/A
10. Místo
Place
- Praha
Prague
11. Datum
Date
12. Podpis
Signature
- Elektronický podpis - 10.7.2023
Certifikát autora podpisu :
Jméno Ing. Bc. Ivan Novák
Vydal : PostSignum Qualified CA 4
Platnost do: 25.12.2026 11:41:25+0000 (+1:00)
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 0 0 1 4 8 4

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.
Vyrobní usek Zlin, Šedesátá č.p. 5638
762 02 Zlin, 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 MOTORCYCLES AND MOPEDS ACCORDING TO ECE REGULATION No. 75**

E8 75R – 001484

4.1.1. Tyre size designation:	100/90B19
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):	BIAS BELTED
4.1.5. The speed category:	H
4.1.6. The load-capacity index of the tyre:	57
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+ 2 ARAMID SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 104.4 mm Overall diameter: 663.0 mm
4.1.11. The rims on which the tyre can be mounted:	2.15-19, 2.50-19, 2.75-19
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)

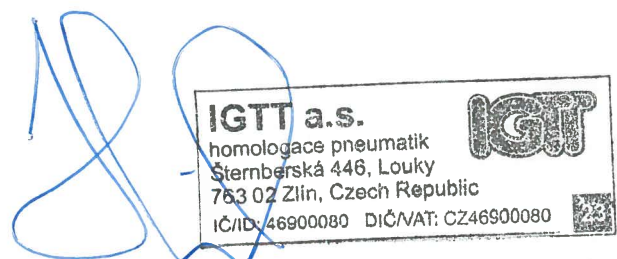
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

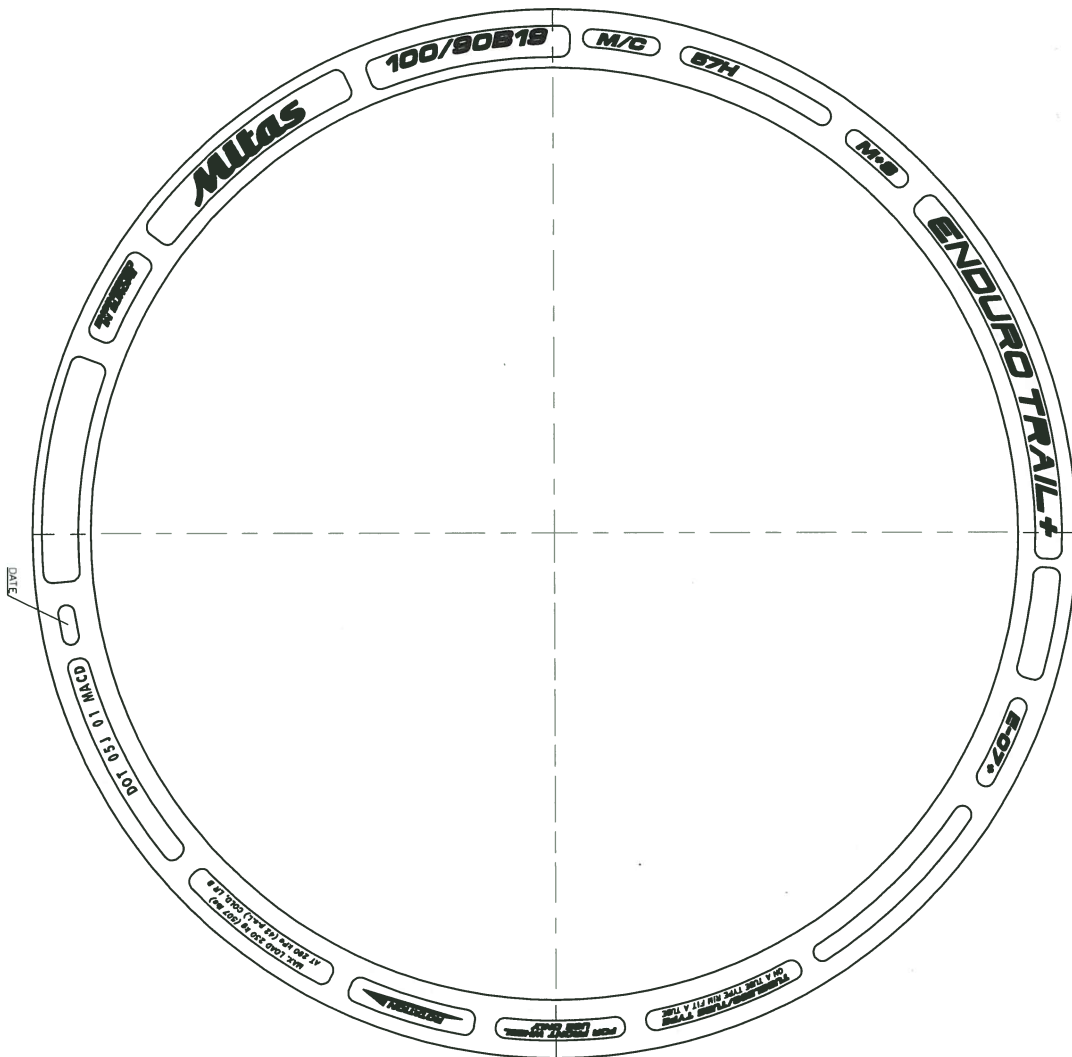
Tyre Manufacturer (2)

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

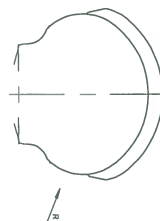
Tyre Manufacturer (3)

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

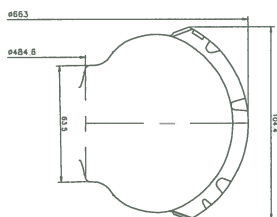
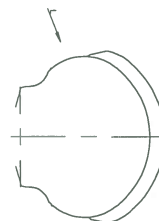




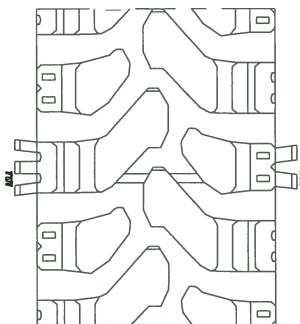
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(1/2) (1/2)



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



OVERALL (open) MITAS ENDURO TRAIL+ E-07+ TREAD PATTERN

[illegible]

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



**TRELLEBORG****TEST REPORT No. 2023 - 384**

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/23012
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 01L/2023/DLI
 4000 Kranj Project No.: 70001017
 Slovenia Application date: 13.01.2023
 Responsible: Mr. Lončarič Report issue date: 18.01.2023
 Test motive: Prototype tyres V1 (ECE homologation), 70001017 (224547)

2. Tested sample: Tyre Sort: M Ident. No.: 54650
 Dimension 100/90B19 Name: Mitas Enduro Trail+ E-07+
 Designation 1, V1 Product: TWS India Approval -
 LI: 57 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 5,36 kg Measuring rim 2,50x19 DOT: DOP: 4422

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: 663 mm (M+S limits: from 656 to 685 mm)
 (MST limits: from 663 to 685 mm)
 Overall width: 104,4 mm (M+S/MST limit: 112/127 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



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

Sample No 54650 Tyre size: 100/90B19 Mitas Enduro Tra Method: MZR-M-003

	Tyre		Tyre width at six points on circumference						Overall tyre	
Date of	inflation	cicumf.	1	2	3	4	5	6	width	diameter
measurement	kPa	mm	mm	mm	mm	mm	mm	mm	mm	mm
18.01.2023	280	2 083	103,8	103,9	104,2	104,4	103,5	103,9	104,4	663

1. Customer: Trelleborg Wheel Systems Moto, d.o. Requirement No.: DLI/23012
Škofjeloška cesta 6 Dept.: Moto Kran Task: 01L/2023/DLI
4000 Kranj Project No.: 70001017
Slovenia Application date: 13.01.2023
Responsible: Mr. Lončarič Report issue date: 18.01.2023
Test motive: Prototype tyres V1 (ECE homologation), 70001017 (224547)

2. Tested sample: Tyre Sort: M Ident. No.: 54650
Dimension 100/90B19 Name: Mitas Enduro Trail+ E-07+
Designation 1, V1 Product: TWS India Approval -
LI: 57 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 5,36 kg Measuring rim 2,50x19 DOT: DOP: 4422

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

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
Testing rim: 2,50x19 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: 23-0382

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.: 54650 Size: 100/90B19 Mitas Enduro Trail+ E-07 Method: KPB-M-003

Date: 17.01.2023

Dimension of approval mark:

diameter of circle: 0 mm

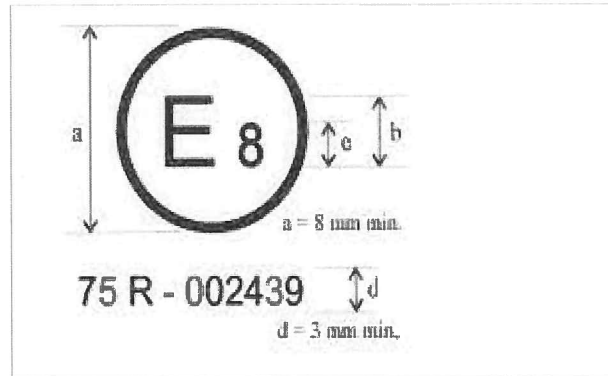
height of letter E: 0 mm

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): B

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 - 387

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/23012
Škofjeloška cesta 6 Dept.: Moto Kranj Task: 01L/2023/DLI
4000 Kranj Project No.: 70001017
Slovenia Application date: 13.01.2023
Responsible: Mr. Lončarič Report issue date: 17.01.2023
Test motive: Prototype tyres V1 (ECE homologation), 70001017 (224547)

2. Tested sample: Tyre Sort: M Ident. No.: 54651
Dimension 100/90B19 Name: Mitas Enduro Trail+ E-07+
Designation 2, V1 Product: TWS India Approval
LI: 57 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 5,34 kg Measuring rim 2,50x19 DOT: DOP: 4422

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

4. Test condition: Testing machine: H2L Drum: 2000 mm Ambient temperature: 25±5°C
Testing rim: 2,50x19 H2 Inflation: 350 kPa capped
Load: 147 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: 0,4 %
Undergo cycles: 77 194 Undergo track: 160 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.: 54651		Dimension:		100/90B19		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	16.01.2023 8:53:35	000:00:00	000:00:00			350			36,8			665
2	Cont	16.01.2023 9:14:22	000:20:00	000:20:00	89,8	148		324		37,3	30	14 630	8
3	Cont	16.01.2023 9:24:24	000:10:00	000:30:00	180,0	148		327		38,0	60	29 165	5
4	Cont	16.01.2023 9:34:26	000:10:00	000:40:00	190,0	148		328		38,2	92	44 426	4
5	Cont	16.01.2023 9:44:28	000:10:00	000:50:00	200,1	148		329		38,4	125	60 438	4
6	Cont	16.01.2023 9:54:31	000:10:00	001:00:00	210,0	148		329		38,5	160	77 194	3
7	Int:M	16.01.2023 9:58:10	000:03:40	001:00:00						38,2			
8	Int:O	16.01.2023 16:13:01	006:14:51	001:00:00			331			38,2			668
9	End	16.01.2023 16:13:04	000:00:03	001:00:00						38,2			

Tyre width immediately after end of test(mm): 105,0 - 104,9 - 104,9 - 105,0 - 105,1 - 105,0

Change of tyre circumference before test and 6h after test (%): 0,38

TEST REPORT No. 2023 - 388

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/23012
Škofjeloška cesta 6 Dept.: Moto Kran Task: 01L/2023/DLI
4000 Kranj Project No.: 70001017
Slovenia Application date: 13.01.2023
Responsible: Mr. Lončarič Report issue date: 17.01.2023
Test motive: Prototype tyres V1 (ECE homologation), 70001017 (224547)

2. Tested sample: Tyre Sort: M Ident. No.: 54651
Dimension 100/90B19 Name: Mitas Enduro Trail+ E-07+
Designation 2, V1 Product: TWS India Approval
LI: 57 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 5,34 kg Measuring rim 2,50x19 DOT: DOP: 4422

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: 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: 338 mm (limit: 346 mm)
Overall width of tyre at max. speed: 97 mm (M+S/MST limit: 110/125 mm)
Undergo cycles: Undergo track: km

6. Evaluation: Criterion profil doesn't exceed limit curve
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 profile record : S1-Test limit (M+S), S2-10 km/h, S3-210 km/h

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.: 54651

Dimension:

100/90B19

Mitas Enduro Trail

Test:

MDN-M-003

tyre
radius
mm

Measurement of tyre profile

— S1 — S2
— S3 — S4