



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 31st July 2023

E8*75R00/19*1563*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:

90/90-21 MITAS ENDURO TRAIL XT+ 54T

with the approval number : **E8 75R - 001563**

date of inspection : **31st 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APPROVAL WITHDRAWN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

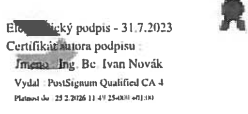
Homologace č.:

Approval No.: **E8*75R00/19*1563*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 XT+ |
| 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 | : | 90/90-21 |
| 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 | : | T |
| 4.5. | Indexy nosnosti
Load capacity index | : | 54 |
| 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 | 26.04.2023, 26.04.2023
26.04.2023, 28.04.2023 |
| 7. | Číslo protokolu, vydaného touto
zkušebnou
Number of report issued by that service | 2023-2170, 2023-2172
2023-2175, 2023-2176 |
| 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 |  <p>Elektronický podpis - 31.7.2023
Certifikát autora podpisu :
Jméno Ing. Bc. Ivan Novák
Vydal PostSignum Qualified CA 4
Platnost do 25.2.2026 11:47:25 (UTC+01:00)</p> |
| 13. | <p>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.</p> | |

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 001563

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 – 001563

4.1.1. Tyre size designation:	90/90-21
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL XT+
4.1.3. The category of use:	SNOW
4.1.4. Structure (diagonal, bias belted, radial):	DIAGONAL
4.1.5. The speed category:	T
4.1.6. The load-capacity index of the tyre:	54
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: 99.4 mm Overall diameter: 710.0 mm
4.1.11. The rims on which the tyre can be mounted:	1.85-21, 2.15-21, 2.50-21
4.1.12. The measuring rim and test rim:	2.15-21
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.	190 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



**TRELLEBORG****TEST REPORT No. 2023 - 2170**

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. Lončarič
 Requirement No.: DLI/23045
 Dept.: Moto Kranj Task: 04E/2023/DLI
 Project No.: 70001031
 Application date: 14.04.2023
 Report issue date: 26.04.2023
 Test motive: Prototype tyres V2 (ECE homologation), Code: 70001031 (224645)

2. Tested sample: Tyre
 Sort: M Ident. No.: 55402
 Dimension 90/90-21 Name: Mitas Enduro Trail XT+
 Designation 1, V2 Product: TWS India Approval -
 LI: 54 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 4,82 kg Measuring rim 2,15x21 DOT: - DOP: 1123

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

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 2,15x21 H2 Inflation: kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

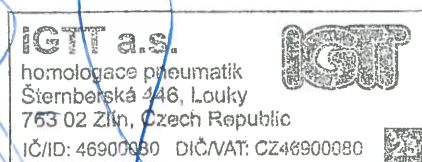
5. Results: See appendix of protocol: 23-2170
 Undergo cycles: Undergo track: km

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 Ing. Petr Husták, Ph.D



Sample No.: 55402

Size: 90/90-21

Mitas Enduro Trail XT+

Method: KPB-M-003

Date: 22.04.2023

Dimension of approval mark:

diameter of circle: 0 mm

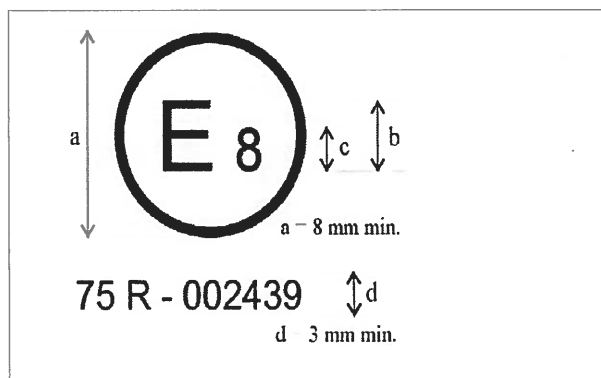
height of letter E: 0 mm

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): -

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): Yes

Manuf.name or country of or Yes

TWI markings: Yes

DP (mark): No

NHS (mark): No

**TRELLEBORG TEST REPORT No. 2023 - 2172**

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. Lončarič
 Requirement No.: DLI/23045
 Dept.: Moto Kranj Task: 04E/2023/DLI
 Project No.: 70001031
 Application date: 14.04.2023
 Report issue date: 26.04.2023
 Test motive: Prototype tyres V2 (ECE homologation), Code: 70001031 (224645)

2. Tested sample: Tyre
 Sort: M Ident. No.: 55402
 Dimension 90/90-21 Name: Mitas Enduro Trail XT+
 Designation 1, V2 Product: TWS India Approval -
 LI: 54 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 4,82 kg Measuring rim 2,15x21 DOT: - DOP: 1123

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: 2,15x21 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: 710 mm
 Overall width: 99,4 mm
 Undergo cycles: Undergo track: km

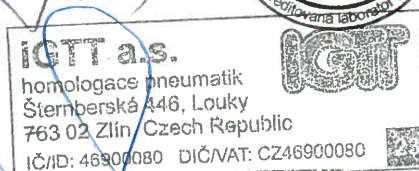
6. Evaluation: Criterion defined in ECE-R75
 Udiam: 0,6 mm Uwidth: 0,6 mm;

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 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 Ing. Petr Husták, Ph.D



Sample No 55402 Tyre size: 90/90-21 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
23.04.2023	280	2 229	99	99,3	99,1	99,4	99,3	99,2	99,4	710

**TRELLEBORG****TEST REPORT No. 2023 - 2175**

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. Lončarič
 Requirement No.: DLI/23045
 Dept.: Moto Kranj Task: 04E/2023/DLI
 Project No.: 70001031
 Application date: 14.04.2023
 Report issue date: 26.04.2023
 Test motive: Prototype tyres V2 (ECE homologation), Code: 70001031 (224645)

2. Tested sample: Tyre
 Sort: M Ident. No.: 55403
 Dimension 90/90-21 Name: Mitas Enduro Trail XT+
 Designation 2, V2 Product: TWS India Approval -
 LI: 54 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 4,88 kg Measuring rim 2,15x21 DOT: - DOP: 1123

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: 2,15x21 H2 Inflation: 350 kPa capped
 Load: 135 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

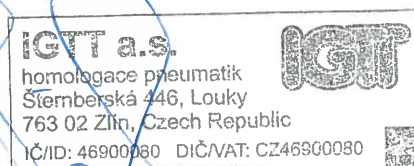
5. Results: Without failure.
 Difference of tyre circumference at start and at end of test: 0,5 %
 Undergo cycles: 64 881 Undergo track: 143 km

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 Ing. Petr Husták, Ph.D



Sample No.: 55403		Dimension: r		90/90-21		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	21.04.2023 6:36:36	000:00:00	000:00:00			350			34,2			711
2	Cont	21.04.2023 6:56:43	000:20:00	000:20:00	80,0	135		347		34,5	27	12 191	8
3	Cont	21.04.2023 7:06:45	000:10:00	000:30:00	160,0	135		349		34,9	53	24 340	6
4	Cont	21.04.2023 7:16:47	000:10:00	000:40:00	170,0	135		350		35,1	81	37 163	6
5	Cont	21.04.2023 7:26:49	000:10:00	000:50:00	180,1	135		351		35,3	111	50 684	5
6	Cont	21.04.2023 7:36:52	000:10:00	001:00:00	190,0	135		351		35,7	143	64 881	5
7	Int:M	21.04.2023 7:41:17	000:04:25	001:00:00						35,6			
8	Int:O	21.04.2023 15:39:48	007:58:31	001:00:00			335			35,6			714
9	End	21.04.2023 15:39:52	000:00:05	001:00:00						35,6			

Tyre width immediately after end of test(mm): 101,8 - 101,7 - 101,7 - 101,4 - 101,7 - 101,7

Change of tyre circumference before test and 6h after test (%): 0,45



TRELLEBORG

TEST REPORT No. 2023 - 2176



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/23045
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 04E/2023/DLI
 4000 Kranj Project No.: 70001031
 Slovenia Application date: 14.04.2023
 Responsible: Mr. Lončarič Report issue date: 28.04.2023
 Test motive: Prototype tyres V2 (ECE homologation), Code: 70001031 (224645)

2. Tested sample: Tyre Sort: M Ident. No.: 55403
 Dimension 90/90-21 Name: Mitas Enduro Trail XT+
 Designation 2, V2 Product: TWS India Approval -
 LI: 54 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 4,88 kg Measuring rim 2,15x21 DOT: - DOP: 1123

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: 2,15x21 H2 Inflation: 290 kPa capped
 Load: daN Drum speed: 190 km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Max. centrifugal radius of tyre at max. speed: 359,0 mm
 Overall width of tyre at max. speed: 96,5 mm
 Undergo cycles: Undergo track: km

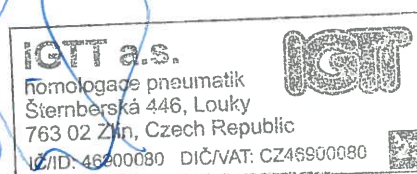
6. Evaluation: Criterion profil doesn't exceed limit curve
 U = 0,5 mm

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, S2-10 km/h, S3-190 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 Ing. Petr Husták, Ph.D



Sample No.: 55403

Dimension:

90/90-21

Mitas Enduro Trail

Test:

MDN-M-003

tyre
radius

mm

Measurement of tyre profile

— S1

— S2

— S3

— S4

