



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 02nd June 2023

E8*75R00/19*1478*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 E-07 54H

with the approval number : **E8 75R - 001478**

date of inspection : **02nd June 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~~APPROVAL WITHDRAWN~~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*1478*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 | : | 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 | : | H |
| 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
- 23.01.2023, 23.01.2023
17.01.2023, 17.01.2023
7. Číslo protokolu, vydaného touto zkušebnou
Number of report issued by that service
- 2023-334, 2023-336
2023-339, 2023-340
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 - 2.6.2023
Certifikát autora podpisu :
Jméno : Ing. Bc. Ivan Novák
Vydal : PostSignum Qualified CA 4
Platnost do : 23.2.2026 11:47:25+0000 (+01'00')
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 7 8

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 – 001478

4.1.1. Tyre size designation:	90/90-21
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:	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 motor cycle derivatives:	TREAD: 2 POLYESTER SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 92.5 mm Overall diameter: 697.0 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.	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.

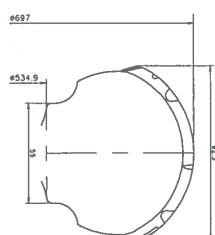
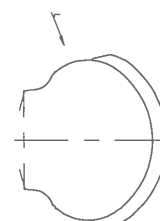
Tyre Manufacturer (2)

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

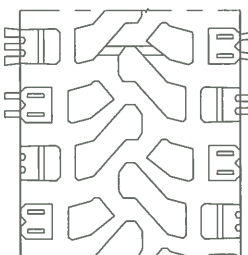
Tyre Manufacturer (3)

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





CROSS SECTION OF MOUNTED THIN



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

787171	9/9/00 21:54	LT	7	ENDODONT	TRAIL	C-37	AND	FROM	CCC	RTS	44970
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IGTT a.s.
homologace pneumatik
Šternberská 446, Louky
763 02 Zlín, Czech Republic
IČO: 46900080 DIČ/VAT: CZ46900080



**TRELLEBORG TEST REPORT No. 2023 - 334**

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
 Test motive: Prototype tyres V1 (ECE homologation), 70001015 (224636)

Requirement No.: DLI/23008
 Dept.: Moto Kranj Task: 01H/2023/DLI
 Project No.: 70001015
 Application date: 13.01.2023
 Report issue date: 23.01.2023

2. Tested sample: Tyre Sort: M Ident. No.: 54589
 Dimension 90/90-21 Name: Mitas Enduro Trail E-07
 Designation V1, 224636 Product: TWS India Approval -
 LI: 54 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S/M
 Weight: 4,76 kg Measuring rim 2,15x21 DOT: - DOP: 4522

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: 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: 23-0334
 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.: 54589 Size: 90/90-21 Mitas Enduro Trail E-07 Method: KPB-M-003

Date: 20.01.2023

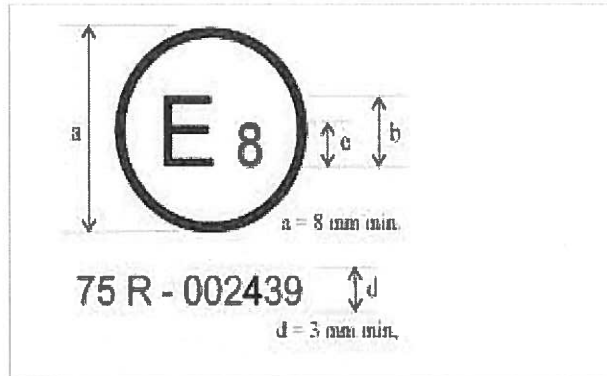
Dimension of approval mark:

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): -

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 - 336

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
Test motive: Prototype tyres V1 (ECE homologation), 70001015 (224636)

Requirement No.: DLI/23008
Dept.: Moto Kranj Task: 01H/2023/DLI
Project No.: 70001015
Application date: 13.01.2023
Report issue date: 23.01.2023

2. Tested sample: Tyre Sort: M Ident. No.: 54589
Dimension 90/90-21 Name: Mitas Enduro Trail E-07
Designation V1, 224636 Product: TWS India Approval -
LI: 54 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S/M
Weight: 4,76 kg Measuring rim 2,15x21 DOT: - DOP: 4522

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: 697 mm (limits from 695 to 714 mm)
Overall width: 92,5 mm (limit max 113 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 54589 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
21.01.2023	280	2 191	92,4	92,2	92,5	92,2	92,3	92,2	92,5	697

**TRELLEBORG TEST REPORT No. 2023 - 339**

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
 Test motive: Prototype tyres V1 (ECE homologation), 70001015 (224636)

Requirement No.: DLI/23008
 Dept.: Moto Kranj Task: 01H/2023/DLI
 Project No.: 70001015
 Application date: 13.01.2023
 Report issue date: 17.01.2023

2. Tested sample: Tyre
 Sort: M Ident. No.: 54590
 Dimension 90/90-21 Name: Mitas Enduro Trail E-07
 Designation V1, 224636 Product: TWS India Approval -
 LI: 54 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S/M
 Weight: 4,78 kg Measuring rim 2,15x21 DOT: - DOP: 4522

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: 0,8 %
 Undergo cycles: 73 452 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 Slíž



Sample No.: 54590			Dimension: 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	16.01.2023 6:28:00	000:00:00	000:00:00			350			36,2			699
2	Cont	16.01.2023 6:48:45	000:20:00	000:20:00	90,1	133		341		37,0	30	13 960	8
3	Cont	16.01.2023 6:58:47	000:10:00	000:30:00	180,0	133		345		37,6	60	27 825	5
4	Cont	16.01.2023 7:08:50	000:10:00	000:40:00	190,0	133		345		37,8	91	42 352	4
5	Cont	16.01.2023 7:18:51	000:10:00	000:50:00	200,1	133		346		38,0	125	57 562	4
6	Cont	16.01.2023 7:28:54	000:10:00	001:00:00	210,0	133		346		38,1	160	73 452	3
7	Int:M	16.01.2023 7:33:09	000:04:15	001:00:00						37,7			
8	Int:O	16.01.2023 14:59:29	007:26:20	001:00:00			315			37,7			704
9	End	16.01.2023 14:59:33	000:00:04	001:00:00						37,7			

Tyre width immediately after end of test(mm): 94,8 - 94,9 - 94,9 - 95,0 - 95,1 - 95,0

Change of tyre circumference before test and 6h after test (%): 0,77

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

**TRELLEBORG****TEST REPORT No. 2023 - 340**

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
 Test motive: Prototype tyres V1 (ECE homologation), 70001015 (224636)

Requirement No.: DLI/23008
 Dept.: Moto Kranj Task: 01H/2023/DLI
 Project No.: 70001015
 Application date: 13.01.2023
 Report issue date: 17.01.2023

2. Tested sample: Tyre
 Sort: M Ident. No.: 54590
 Dimension 90/90-21 Name: Mitas Enduro Trail E-07
 Designation V1, 224636 Product: TWS India Approval -
 LI: 54 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S/M
 Weight: 4,78 kg Measuring rim 2,15x21 DOT: - DOP: 4522

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
 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: 354 mm (limit: 362 mm)
 Overall width of tyre at max. speed: 88 mm (M+S/MST limit: 99/ 113 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



