



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 25th September 2023

E8*75R00/19*1572*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:

150/70B18 MITAS ENDURO TRAIL E-07 70H

with the approval number : **E8 75R - 001572**
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 – 001572

4.1.1. Tyre size designation:	150/70B18
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:	70
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: 148.8 mm Overall diameter: 678.0 mm
4.1.11. The rims on which the tyre can be mounted:	3.50-18, 3.75-18, 4.00-18, 4.25-18, 4.50-18
4.1.12. The measuring rim and test rim:	Measuring rim: 4.50-18 Test rim: 4.00-18
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)

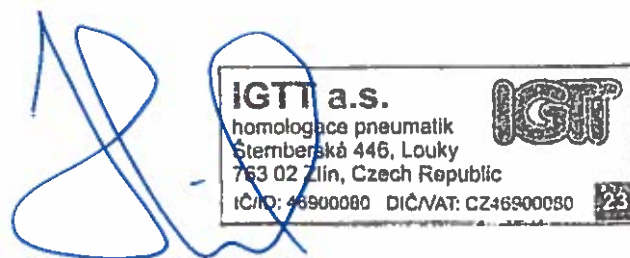
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

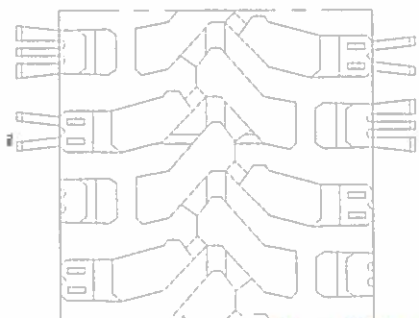
Tyre Manufacturer (2)

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





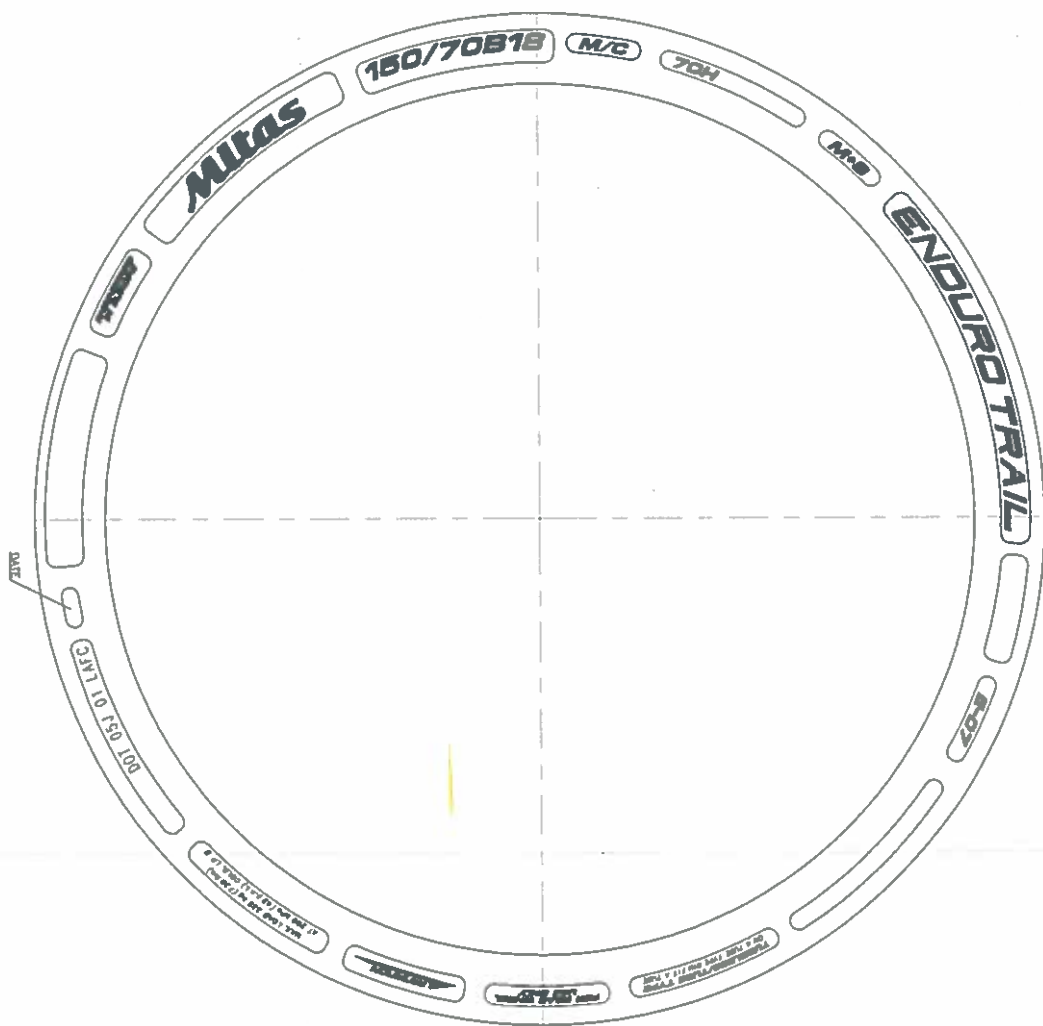
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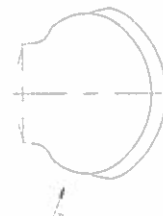
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homologace pneumatik
Šternberská 448, Louky
763 02 Zlín, Czech Republic
IC/ID: 46900080 DIČ/VAT: CZ46900080



2-



SPRINGS ON THE - BOTTOM HALF OF THE WHEEL
(see 3)



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homologace pneumatik		homologace pneumatik	
Sřamsberska 446, Louky		Sřamsberska 446, Louky	
763 02 Žiln, Czech Republic		763 02 Žiln, Czech Republic	
IČ/D: 46900840 DIČ/VAT: CZ46900080		IČ/D: 46900840 DIČ/VAT: CZ46900080	
23		23	

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23

TEST REPORT No. 2023 - 3007

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/23068
Škofjeloška cesta 6 Dept.: Moto Kran Task: 050/2023/DLI
4000 Kranj Project No.: 70001013
Slovenia Application date: 31.05.2023
Responsible: Mr. Lončarič Report issue date: 06.06.2023
Test motive: Prototype tyres V2 (ECE homologation). 70001013 (224404)

2. Tested sample: Tyre Sort: M Ident. No.: 55841
Dimension 150/70B18 Name: Mitas Enduro Trail E-07
Designation 1, V2 Product: TWS India Approval -
LI: 70 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 7.86 kg Measuring rim 4.25x18 DOT: - DOP: 14223

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

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
Testing rim: MT4,50x18 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: 23-3007

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. 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.: 55841 Size: 150/70B18 Mitas Enduro Trail E-07 Method: KPB-M-003

Date: 02.06.2023

Dimension of approval mark:

diameter of circle: 0 mm

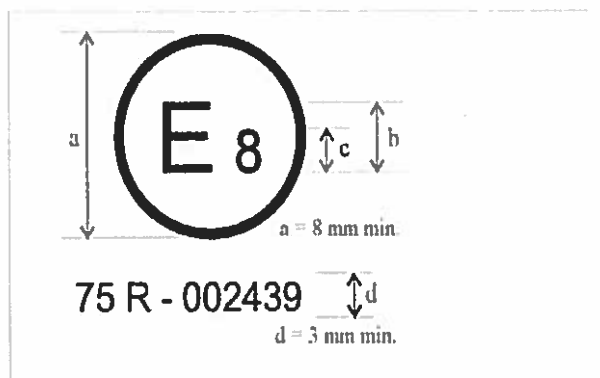
height of letter E: 0 mm

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): 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 - 3009

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/23068
Škofjeloška cesta 6 Dept.: Moto Kran Task: 050/2023/DLI
4000 Kranj Project No.: 70001013
Slovenia Application date: 31.05.2023
Responsible: Mr. Lončarič Report issue date: 06.06.2023
Test motive: Prototype tyres V2 (ECE homologation), 70001013 (224404)

2. Tested sample: Tyre Sort: M Ident. No.: 55841
Dimension 150/70B18 Name: Mitas Enduro Trail E-07
Designation 1, V2 Product: TWS India Approval -
LI: 70 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 7,86 kg Measuring rim 4.25x18 DOT: - DOP: 14223

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: MT4,50x18 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: 678 mm
Overall width: 148,8 mm
Undergo cycles: Undergo track: km

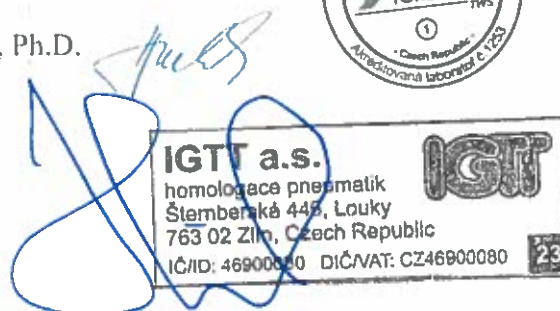
6. Evaluation: Criterion defined in ECE-R75
Udiam = 1,5 mm; Uwidth = 1.0 mm

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 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. 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.



Annex to protocol No.: 23- 3009 Measurement of tyre dimensions

Printed 06.06.2023

Sample No 55841 Tyre size: 150/70B18 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
03.06.2023	280	2 131	148.3	148.1	148,1	148.8	148.5	148,4	148.8	678

TEST REPORT No. 2023 - 3012

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/23068
Škofjeloška cesta 6 Dept.: Moto Kran Task: 05O/2023/DLI
4000 Kranj Project No.: 70001013
Slovenia Application date: 31.05.2023
Responsible: Mr. Lončarič Report issue date: 19.06.2023
Test motive: Prototype tyres V2 (ECE homologation), 70001013 (224404)

2. Tested sample: Tyre Sort: M Ident. No.: 55842
Dimension 150/70B18 Name: Mitas Enduro Trail E-07
Designation 2, V2 Product: TWS India Approval -
LI: 70 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 7,96 kg Measuring rim 4.25x18 DOT: - DOP: 1423

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: 4,00x18 H2 Inflation: 350 kPa capped
Load: 214 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: 0,1 %
Undergo cycles: 71 134 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.



Sample No.: 55842		Dimension: 150/70B18		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	16.06.2023 6:48:13	000:00:00	000:00:00			350			34,7			680
2	Cont	16.06.2023 7:08:59	000:20:00	000:20:00	85,0	214		332		35,3	28	13 454	8
3	Cont	16.06.2023 7:19:01	000:10:00	000:30:00	170,0	214		335		36,2	57	26 798	5
4	Cont	16.06.2023 7:29:03	000:10:00	000:40:00	180,0	214		336		36,6	87	40 846	5
5	Cont	16.06.2023 7:39:05	000:10:00	000:50:00	190,0	214		337		37,1	118	55 622	4
6	Cont	16.06.2023 7:49:07	000:10:00	001:00:00	200,0	214		337		37,5	151	71 134	3
7	Int M	16.06.2023 7:56:17	000:07:10	001:00:00						37,0			
8	Int O	16.06.2023 14:53:43	006:57:26	001:00:00			345			37,0			681
9	End	16.06.2023 14:53:46	000:00:03	001:00:00						37,0			

Tyre width immediately after end of test(mm): 146,7 - 146,7 - 147,0 - 146,8 - 146,7 - 146,8

Change of tyre circumference before test and 6h after test (%): 0,14

TEST REPORT No. 2023 - 3013

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/23068
Škofjeloška cesta 6 Dept.: Moto Kran Task: 050/2023/DLI
4000 Kranj Project No.: 70001013
Slovenia Application date: 31.05.2023
Responsible: Mr. Lončarič Report issue date: 21.06.2023
Test motive: Prototype tyres V2 (ECE homologation), 70001013 (224404)

2. Tested sample: Tyre Sort: M Ident. No.: 55842
Dimension 150/70B18 Name: Mitas Enduro Trail E-07
Designation 2. V2 Product: TWS India Approval -
LI: 70 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 7.96 kg Measuring rim 4.25x18 DOT: - DOP: 1423

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: 4.00x18 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: 345,2 mm
Overall width of tyre at max. speed: 135,8 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.



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homologace pneumatik
Šternberská 446, Louky
763 02 Zlín, Czech Republic
ICID: 40900080 DIČ/VAT: CZ46900080



Sample No.: 55842

Dimension:

150/70B18

Mitas Enduro Trail

Test:

MDN-M-003

tyre
radius
mm

Measurement of tyre profile

— S1 — S2
— S3 — S4