



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 October 2023

E8*75R00/19*1594*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:

150/70B17 MITAS ENDURO TRAIL XT+ DAKAR 69T

with the approval number : **E8 75R - 001594**
date of inspection : **02nd October 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 – 001594

4.1.1. Tyre size designation:	150/70B17
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL XT+ DAKAR
4.1.3. The category of use:	SNOW
4.1.4. Structure (diagonal, bias belted, radial):	BIAS BELTED
4.1.5. The speed category:	T
4.1.6. The load-capacity index of the tyre:	69
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 + 3 ARAMID SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 164.6 mm Overall diameter: 659.0 mm
4.1.11. The rims on which the tyre can be mounted:	3.50-17, 3.75-17, 4.00-17, 4.25-17, 4.50-17
4.1.12. The measuring rim and test rim:	4.50-17
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)

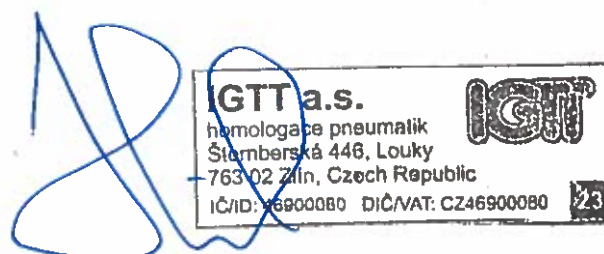
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

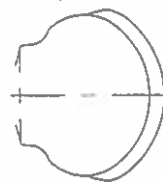
Tyre Manufacturer (2)

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





IC/ID: 46900000 DIČ/VAT: CZ469000080

23

[illegible]

TEST REPORT No. 2023 - 3441

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/23074
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 06D/2023/DLI
 4000 Kranj Project No.: 70001027
 Slovenia Application date: 12.06.2023
 Responsible: Mr. Lončarič Report issue date: 26.06.2023
 Test motive: Prototype tyres V3 (ECE homologation), Code: 70001027 (224048)

2. Tested sample: Tyre Sort: M Ident. No.: 55998
 Dimension 150/70B17 Name: Mitas Enduro Trail XT+ Dakar
 Designation 1, V3 Product: TWS India Approval -
 LI: 69 SS: T IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 8,36 kg Measuring rim 4,25x17 DOT: DOP: 0823

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

4. Test condition: Testing machine: Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 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: 23-3441

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. 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.



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

Sample No.: 55998 Size: 150/70B17 Mitas Enduro Trail XT+ D Method: KPB-M-003

Date: 23.06.2023

Dimension of approval mark:

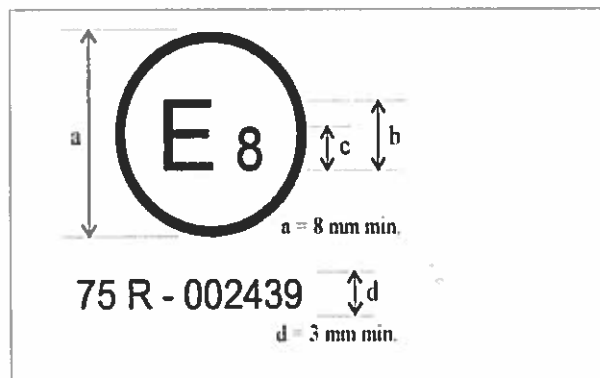
diameter of circle: 0 mm

height of letter E: 0 mm

height of number: 0 mm

height of text 75R....: 0 mm

Sidewall lettering:

b $\geq$ 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 - 3443

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/23074
Škofjeloška cesta 6 Dept.: Moto Kran Task: 06D/2023/DLI
4000 Kranj Project No.: 70001027
Slovenia Application date: 12.06.2023
Responsible: Mr. Lončarič Report issue date: 26.06.2023
Test motive: Prototype tyres V3 (ECE homologation). Code: 70001027 (224048)

2. Tested sample: Tyre Sort: M Ident. No.: 55998
Dimension 150/70B17 Name: Mitas Enduro Trail XT+ Dakar
Designation 1, V3 Product: TWS India Approval -
LI: 69 SS: T IP: 290 kPa PR LR: B Type TL M+S MST
Weight: 8,36 kg Measuring rim 4,25x17 DOT: DOP: 0823

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: MT4,50x17 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: 659 mm
Overall width: 164,6 mm

Undergo cycles: Undergo track: km

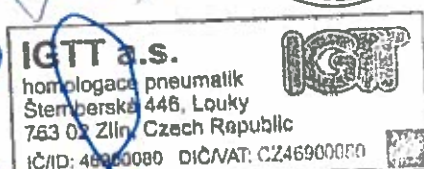
6. Evaluation: Criterion defined in ECE-R75
Udiam = 1,5 mm; Uwidth = 1,0 mm

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 tyre dimensions

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Approved by: Laboratory quality manager Ing. Petr Hušák, Ph.D.



Sample No 55998 Tyre size: 150/70B17 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
24.06.2023	280	2 069	164,1	164,4	164,2	164,6	164,2	164,4	164,6	659

TEST REPORT No. 2023 - 3557

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/23074
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 06D/2023/DLI
 4000 Kranj Project No.: 70001027
 Slovenia Application date: 12.06.2023
 Responsible: Mr. Lončarič Report issue date: 26.06.2023
 Test motive: Prototype tyres V3 (ECE homologation), Code: 70001027 (224048)

2. Tested sample: Tyre Sort: M Ident. No.: 56005
 Dimension 150/70B17 Name: Mitas Enduro Trail XT+ Dakar
 Designation 8. V3 Product: TWS India Approval -
 LI: 69 SS: T IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 8.36 kg Measuring rim 4.25x17 DOT: DOP: 0823

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: MT4.50x17 H2 Inflation: 350 kPa capped
 Load: 207 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: 70 128 Undergo track: 143 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 Hústák, Ph.D.



Sample No.: 56005		Dimension:		150/70B17		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	23.06.2023 9:41:01	000:00:00	000:00:00			350			36,8			658
2	Cont	23.06.2023 10:01:53	000:20:00	000:20:00	79,9	208		321		37,0	27	13 112	8
3	Cont	23.06.2023 10:11:56	000:10:00	000:30:00	160,0	208		323		37,5	53	26 210	6
4	Cont	23.06.2023 10:21:58	000:10:00	000:40:00	170,0	208		324		37,6	82	40 064	5
5	Cont	23.06.2023 10:32:00	000:10:00	000:50:00	180,0	208		324		37,7	112	54 710	5
6	Cont	23.06.2023 10:42:02	000:10:00	001:00:00	190,0	208		324		37,8	143	70 128	5
7	Int M	23.06.2023 10:44:26	000:02:24	001:00:00						37,9			
8	Int O	23.06.2023 16:44:54	006:00:28	001:00:00			342			37,9			659
9	End	23.06.2023 16:44:59	000:00:05	001:00:00						37,9			

Tyre width immediately after end of test(mm): 166,8 - 166,6 - 166,3 - 166,8 - 166,4 - 166,2

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



TEST REPORT No. 2023 - 3558

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/23074
Škofjeloška cesta 6 Dept.: Moto Kran Task: 06D/2023/DLI
4000 Kranj Project No.: 70001027
Slovenia Application date: 12.06.2023
Responsible: Mr. Lončarič Report issue date: 29.06.2023
Test motive: Prototype tyres V3 (ECE homologation). Code: 70001027 (224048)

2. Tested sample: Tyre Sort: M Ident. No.: 56005
Dimension 150/70B17 Name: Mitas Enduro Trail XT+ Dakar
Designation 8, V3 Product: TWS India Approval -
LI: 69 SS: T IP: 290 kPa PR LR: B Type TL M+S MST
Weight: 8,36 kg Measuring rim 4,25x17 DOT: DOP: 0823

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: MT4,50x17 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: 332,2 mm
Overall width of tyre at max. speed: 156.5 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, S3-190 km/h

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Approved by: Laboratory quality manager Ing. Petr Hůstak, Ph.D.



