



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 23rd October 2023

E8*75R00/19*1538*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:

120/70B19 MITAS ENDURO TRAIL XT+ ALL TERRAIN 60T

with the approval number : **E8 75R - 001538**
date of inspection : **23rd 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 – 001538

4.1.1. Tyre size designation:	120/70B19
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL XT+ All terrain
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:	60
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 POLYAMIDE SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 118.9 mm Overall diameter: 662.0 mm
4.1.11. The rims on which the tyre can be mounted:	2.75x19, 3.00x19, 3.50x19, 3.75x19
4.1.12. The measuring rim and test rim:	3.50x19
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)

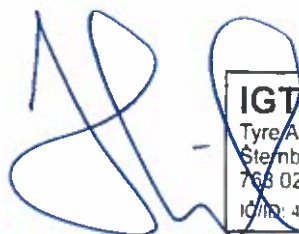
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

Tyre Manufacturer (2)

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

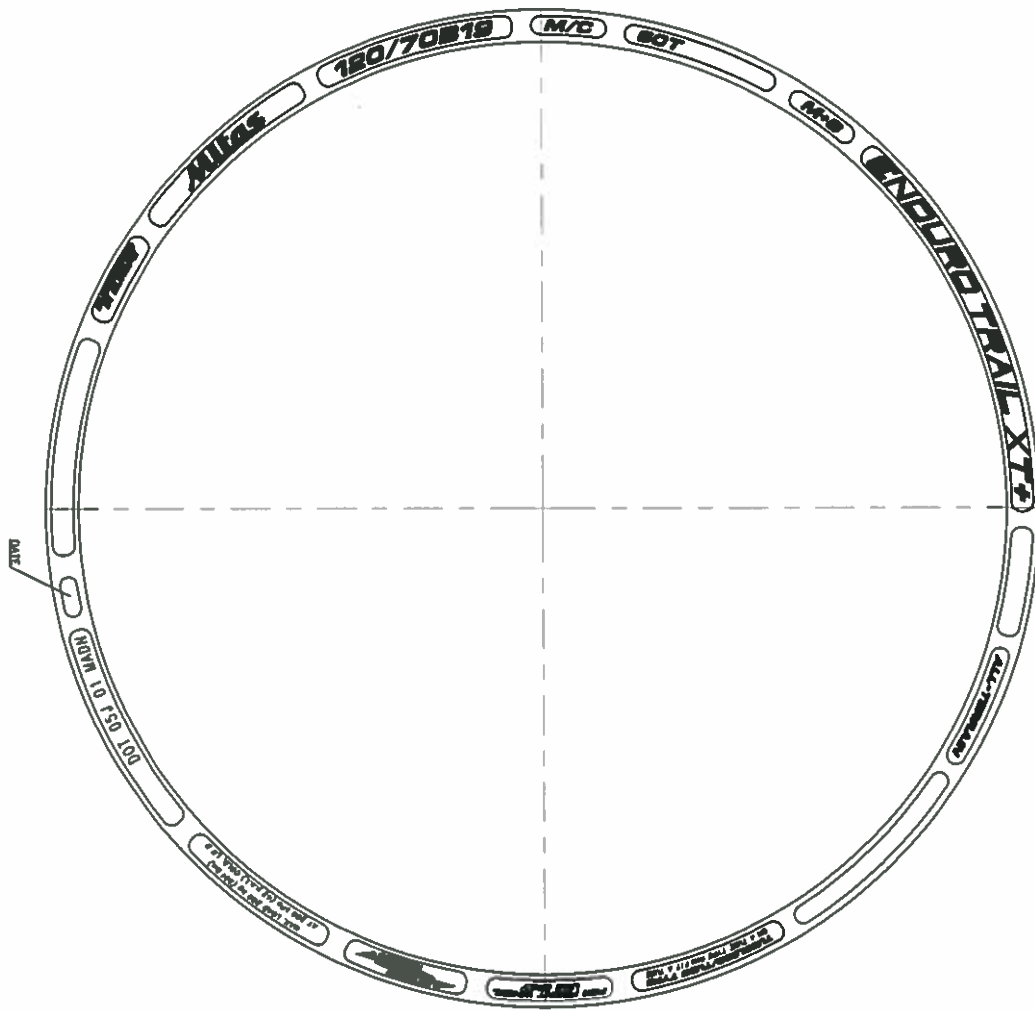
Tyre Manufacturer (3)

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

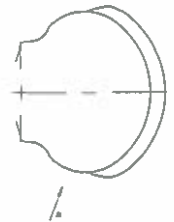


IGTT a.s.
Tyre Approval Department
Stenberská 446, Louky
762 02 Zlín, Czech Republic
ID No: 46900090 DIČ/VAT: CZ46900090

IGTT



SECTION ON THE - BOTTOM HALF OF THE WHEEL
(see 8)



IGTT a.s.	
Tyre Approval Department	
Sternská 446, Louky	
768 02 Zlín, Czech Republic	
IČ/D: 46900080 DIČ/VAT: CZ46900080	

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IGTT a.s.
Tyre Approval Department
Sternská 446, Louky
768 02 Zlín, Czech Republic
IČ/D: 46900080 DIČ/VAT: CZ46900080

IGTT



TEST REPORT No. 2023 - 5039

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.: MM/23359
 Škofjeloška cesta 6 Dept.: Moto Kran Task:
 4000 Kranj Project No.: 70001179
 Slovenia Application date: 20.09.2023
 Responsible: Mrs. Macháčová Report issue date: 02.10.2023
 Test motive: Prototype tyres V1 (ECE homologation), 70001179

2. Tested sample: Tyre Sort: M Ident. No.: 56840
 Dimension 120/70B19 Name: Mitas Enduro Trail XT+
 Designation V1 Product: TWS India Approval E8 75R 001538
 LI: 60 SS: T IP: 290kPa PR LR: B Type TL/TT M+S M
 Weight: 5.84 kg Measuring rim 3.50x19 DOT: 05J DOP: 3023

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: 23-5039

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.
 Tyre Approval Department
 Šternberská 446, Louky
 763 02 Zlín, Czech Republic
 IČ/ID: 16900080 DIČ/VAT: CZ45401080

Sample No.: 56840 Size: 120/70B19 Mitas Enduro Trail XT+ Method: KPB-M-003

Date: 27.09.2023

Dimension of approval mark:

diameter of circle: 11 mm

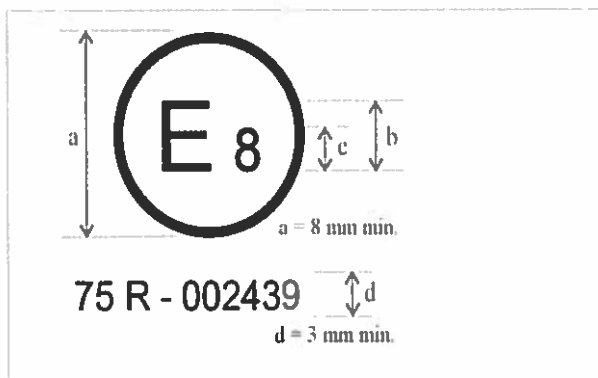
height of letter E: 6 mm

height of number: 4 mm

height of text 75R....: 4 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 - 5041

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.: MM/23359
Škofjeloška cesta 6 Dept.: Moto Kran Task:
4000 Kranj Project No.: 70001179
Slovenia Application date: 20.09.2023
Responsible: Mrs. Macháčová Report issue date: 02.10.2023
Test motive: Prototype tyres V1 (ECE homologation), 70001179

2. Tested sample: Tyre Sort: M Ident. No.: 56840
Dimension 120/70B19 Name: Mitas Enduro Trail XT+
Designation V1 Product: TWS India Approval E8 75R 001538
LI: 60 SS: T IP: 290kPa PR LR: B Type TL/TT M+S M
Weight: 5.84 kg Measuring rim 3.50x19 DOT: 05J DOP: 3023

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: MT3.50x19 H2 Inflation: 280kPa
Load: daN Drum speed: km/h Slip: 0° Camber: 0°
Cycle min/max: Track min/max: km

5. Results: Overall diameter: 662 mm
Overall width: 118.9 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. 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 56840 Tyre size: 120/70B19 Mitas Enduro Tra Method: MZR-M-003

Date of measurement	Tyre		Tyre width at six points on circumference						Overall tyre	
	inflation kPa	cicumf. mm	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm	width mm	diameter mm
28.09.2023	280	2 079	118.7	118.7	118.4	118.6	118.9	118,8	118.9	662



TEST REPORT No. 2023 - 5044

TTC Zlin, 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.: MM/23359
 Škofjeloška cesta 6 Dept.: Moto Kran Task:
 4000 Kranj Project No.: 70001179
 Slovenia Application date: 20.09.2023
 Responsible: Mrs. Macháčová Report issue date: 03.10.2023
 Test motive: Prototype tyres V1 (ECE homologation). 70001179

2. Tested sample: Tyre Sort: M Ident. No.: 56841
 Dimension 120/70B19 Name: Mitas Enduro Trail XT+
 Designation V1 Product: TWS India Approval E8 75R 001538
 LI: 60 SS: T IP: 290kPa PR LR: B Type TL/TT M+S M
 Weight: 5.86 kg Measuring rim 3.50x19 DOT: 05J DOP: 3023

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: MT3,50x19 H2 Inflation: 350kPa capped
 Load: 159 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: 0,6 %
 Undergo cycles: 69 056 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 Husták Ph.D.



Sample No.: 56841		Dimension:		120/70B19		Mitas Enduro Trail		Test:		RZ-M-003			
ID No.	Test stage	Date time dd.mm.yyy 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	30.09.2023 16:53:42	000:00:00	000:00:00			350			36,9			666
2	Cont	30.09.2023 17:13:49	000:20:00	000:20:00	80,0	160		324		37,1	27	13 010	9
3	Cont	30.09.2023 17:23:51	000:10:00	000:30:00	160,0	160		327		37,3	53	25 942	5
4	Cont	30.09.2023 17:33:54	000:10:00	000:40:00	170,0	160		328		37,3	81	39 567	5
5	Cont	30.09.2023 17:43:56	000:10:00	000:50:00	180,1	160		329		37,4	111	53 944	4
6	Cont	30.09.2023 17:53:58	000:10:00	001:00:00	190,0	160		330		37,5	143	69 056	3
7	Int:M	30.09.2023 17:59:11	000:05:13	001:00:00						37,3			
8	Int:O	01.10.2023 6:23:50	012:24:39	001:00:00			329			37,3			670
9	End	01.10.2023 6:24:00	000:00:10	001:00:00						37,3			

Tyre width immediately after end of test(mm): 119,6 - 119,8 - 119,6 - 119,4 - 119,7 - 119,5

Change of tyre circumference before test and 6h after test (%): 0,62



TEST REPORT No. 2023 - 5045

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.: MM/23359
Škofjeloška cesta 6 Dept.: Moto Kran Task:
4000 Kranj Project No.: 70001179
Slovenia Application date: 20.09.2023
Responsible: Mrs. Macháčová Report issue date: 03.10.2023
Test motive: Prototype tyres V1 (ECE homologation), 70001179

2. Tested sample: Tyre Sort: M Ident. No.: 56841
Dimension 120/70B19 Name: Mitas Enduro Trail XT+
Designation V1 Product: TWS India Approval E8 75R 001538
LI: 60 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 5,86 kg Measuring rim 3.50x19 DOT: 05J DOP: 3023

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: MT3,50x19 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: 336,9 mm
Overall width of tyre at max. speed: 112,8 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, S3-190 km/h

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Approved by: Laboratory quality manager Ing. Petr Husták Ph.D.



tyre
radius
mm

Measurement of tyre profile

— S1 — S2
— S3 — S4

