



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 10th October 2023

E8*75R00/19*1615*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:

110/80B19 MITAS ENDURO TRAIL E-07 DAKAR 59H

with the approval number : **E8 75R - 001615**
date of inspection : **10th 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 – 001615

4.1.1. Tyre size designation:	110/80B19
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL E-07 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:	H
4.1.6. The load-capacity index of the tyre:	59
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: 5 POLYESTER SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 109.0 mm Overall diameter: 668.0 mm
4.1.11. The rims on which the tyre can be mounted:	2.15-19, 2.50-19, 2.75-19, 3.00-19
4.1.12. The measuring rim and test rim:	2.50-19
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)

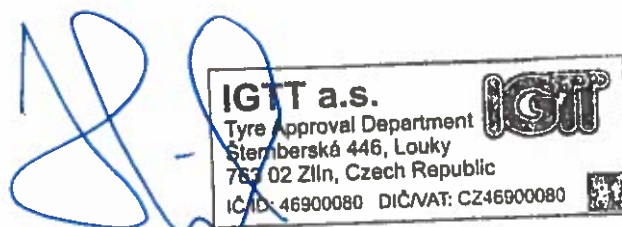
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

Tyre Manufacturer (2)

Trelleborg Wheel Systems Czech Republic a.s.
Výrobní 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



TEST REPORT No. 2023 - 4730

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.: MM/23329
 Škofjeloška cesta 6 Dept.: Moto Kran Task:
 4000 Kranj Project No.: 70001001
 Slovenia Application date: 21.08.2023
 Responsible: Mrs. Macháčová Report issue date: 25.08.2023
 Test motive: Prototype tyres VI (ECE homologation), Code: 70001001 (224445)

2. Tested sample: Tyre Sort: M Ident. No.: 56670
 Dimension 110/80B19 Name: Mitas Enduro Trail E-07 Dakar
 Designation VI Product: TWS India Approval -
 LI: 59 SS: H IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 5.82 kg Measuring rim 2.50x19 DOT: - DOP: 0923

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

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 2.50x19 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: 23-4730

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 Husák, Ph.D.



Sample No.: 56670 Size: 110/80B19 Mitas Enduro Trail E-07 Method: KPB-M-003

Date: 24.08.2023

Dimension of approval mark:

diameter of circle: 0 mm

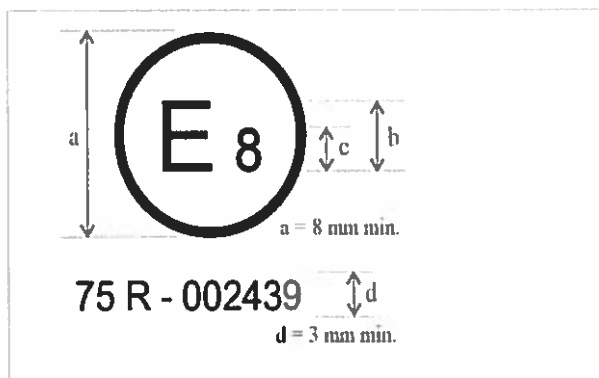
height of letter E: 0 mm

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 - 4732

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/23329
 Škofjeloška cesta 6 Dept.: Moto Kran Task:
 4000 Kranj Project No.: 70001001
 Slovenia Application date: 21.08.2023
 Responsible: Mrs. Macháčová Report issue date: 25.08.2023
 Test motive: Prototype tyres VI (ECE homologation), Code: 70001001 (224445)

2. Tested sample: Tyre Sort: M Ident. No.: 56670
 Dimension 110/80B19 Name: Mitas Enduro Trail E-07 Dakar
 Designation VI Product: TWS India Approval -
 LI: 59 SS: H IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 5.82 kg Measuring rim 2.50x19 DOT: - DOP: 0923

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: 2.50x19 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: 668 mm
 Overall width: 109 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

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 Hůsták, Ph.D.



Annex to protocol No.: 23 - 4732 Measurement of tyre dimensions

Printed 25.08.2023

Sample No 56670 Tyre size: 110/80B19 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
25.08.2023	280	2 099	108,6	108,8	109	108,9	108,8	108,6	109,0	668

TEST REPORT No. 2023 - 4735

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/23329
Škofjeloška cesta 6 Dept.: Moto Kran Task:
4000 Kranj Project No.: 70001001
Slovenia Application date: 21.08.2023
Responsible: Mrs. Macháčová Report issue date: 05.09.2023
Test motive: Prototype tyres VI (ECE homologation), Code: 70001001 (224445)

2. Tested sample: Tyre Sort: M Ident. No.: 56671
Dimension 110/80B19 Name: Mitas Enduro Trail E-07 Dakar
Designation VI Product: TWS India Approval -
LI: 59 SS: H IP: 290 kPa PR LR: B Type TL M+S MST
Weight: 5.84 kg Measuring rim 2,50x19 DOT: - DOP: 0923

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: 2.50x19 H2 Inflation: 350 kPa capped
Load: 155 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: 0,9 %
Undergo cycles: 72 497 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 Hušák, Ph.D.



Sample No.: 56671		Dimension:		110/80B19		Mitas Enduro Trail		Test:		RZ-M-003			
ID No	Test stage	Date time dd.mm.yyyy hh:mm:ss	Step duration hh:mm:ss	Test duration hh:mm:ss	Speed km/h	Load daN	Inflation kPa	Radius mm	Surface °C	Room °C	Distance km	Cycles	Diameter/ deflection mm
1	Start	29.08.2023 13:43:02	000:00:00	000:00:00			350			35,5			670
2	Cont	29.08.2023 14:03:49	000:20:00	000:20:00	85,1	156		328		35,7	28	13 720	7
3	Cont	29.08.2023 14:13:52	000:10:00	000:30:00	170,0	156		332		36,0	57	27 330	3
4	Cont	29.08.2023 14:23:54	000:10:00	000:40:00	180,0	156		333		36,1	87	41 644	2
5	Cont	29.08.2023 14:33:56	000:10:00	000:50:00	190,0	156		333		36,3	118	56 706	2
6	Cont	29.08.2023 14:43:58	000:10:00	001:00:00	200,0	156		334		36,4	151	72 497	1
7	Int. M	29.08.2023 14:53:23	000:09:25	001:00:00						36,2			
8	Int. O	30.08.2023 6:03:40	015:10:17	001:00:00			322			36,2			675
9	End	30.08.2023 6:03:45	000:00:05	001:00:00						36,2			

Tyre width immediately after end of test(mm): 109,0 - 109,5 - 109,4 - 109,1 - 108,7 - 109,2

Change of tyre circumference before test and 6h after test (%): 0.86

TEST REPORT No. 2023 - 4736

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/23329
 Škofjeloška cesta 6 Dept.: Moto Kran Task:
 4000 Kranj Project No.: 70001001
 Slovenia Application date: 21.08.2023
 Responsible: Mrs. Macháčová Report issue date: 05.09.2023
 Test motive: Prototype tyres V1 (ECE homologation), Code: 70001001 (224445)

2. Tested sample: Tyre Sort: M Ident. No.: 56671
 Dimension 110/80B19 Name: Mitas Enduro Trail E-07 Dakar
 Designation V1 Product: TWS India Approval -
 LI: 59 SS: H IP: 290 kPa PR LR: B Type TL M+S MST
 Weight: 5.84 kg Measuring rim 2.50x19 DOT: - DOP: 0923

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: 2.50x19 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: 341.4 mm
 Overall width of tyre at max. speed: 100.2 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

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.: 56671

Dimension:

110/80B19

Mitas Enduro Trail

Test:

MDN-M-003

tyre
radius
mm

Measurement of tyre profile

— S1 — S2
— S3 — S4