



INSTITUT GUMÁRENSKÉ TECHNOLOGIE A TESTOVÁNÍ, A.S.
RUBBER TECHNOLOGY AND TESTING INSTITUTE, Plc.
INSTITUT FÜR GUMMITECHNOLOGIE UND PRÜFWESEN, A.G.
А.О. «ИНСТИТУТ ТЕХНОЛОГИИ РЕЗИНЫ И ИСПЫТАНИЙ»

Společnost je zapsána v obchodním rejstříku vedeném Krajským soudem v Brně, oddíl B, vložka 818



Zlín 28th June 2023

E8*75R00/19*1488*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 - 001488**
date of inspection : **28th 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⁾:

UDĚLENÍ HOMOLOGACE

~~ROZŠÍŘENÍ HOMOLOGACE~~
~~ZAMÍTNUTÍ HOMOLOGACE~~
~~ODEBRÁNÍ HOMOLOGACE~~
~~DEFINITIVNÍM UKONČENÍ VÝROBY~~

COMMUNICATION concerning ⁽¹⁾:

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~~APPROVAL WITHDRAWN~~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*1488*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+ DAKAR |
| 3. | Název a adresa zástupce výrobce
(je-li potřebné)
If applicable, name and address of
manufacturer's representative | : | N/A |
| 4. | Souhrnný popis
Sumarized description | : | |
| 4.1. | Označení rozměru pláště
Tyre size designation | : | 110/80B19 |
| 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 | : | 59 |
| 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
20.01.2023, 19.01.2023
7. Číslo protokolu, vydaného touto zkušebnou
Number of report issued by that service
- 2023-468, 2023-466
2023-471, 2023-472
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 - 28.6.2023
Certifikátor podpisu
Jméno: Ing. Bc. Ivan Novák
Vydal: PostSignum Qualified CA 4
Platnost do: 25.2.2026 11:49:25+001:01:01
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 8 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 – 001488

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 motor cycle derivatives:	TREAD: 2 POLYESTER+ 2 ARAMID SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 111,3 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)

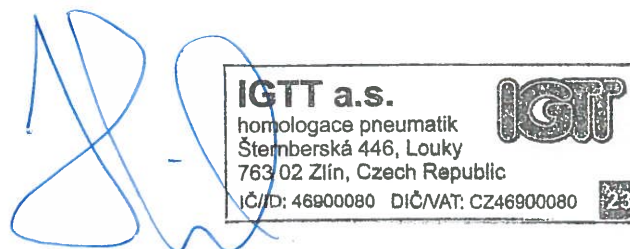
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

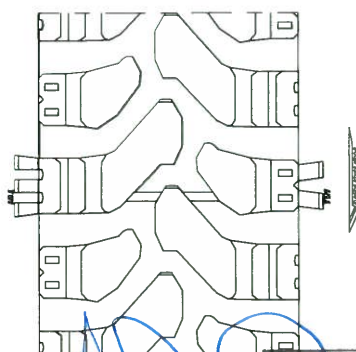
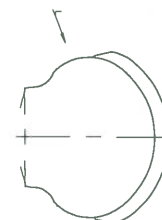
Tyre Manufacturer (2)

Trelleborg Wheel Systems Czech Republic a.s.
Výrobní 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





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

IGTT a.s.
homologace pneumatik
Šternberská 446, Louky
768 02 Zlín, Czech Republic
IGTID: 46900080 DIČ/VAT: CZ46900080

[illegible]



Trelleborg Wheel Systems Czech Republic a.s., Švehlova 1900/3, Záběhllice, 106 00 Praha

TRELLEBORG

TEST REPORT No. 2023 - 468



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), 70001032 (224448)

Requirement No.: DLI/23019
 Dept.: Moto Kranj Task: 01T/2023/DLI
 Project No.: 70001032
 Application date: 16.01.2023
 Report issue date: 23.01.2023

2. Tested sample: Tyre
 Sort: M Ident. No.: 54616
 Dimension 110/80B19 Name: Mitas Enduro Trail+ E-07+ Dakar
 Designation 1, V1 Product: TWS India Approval -
 LI: 59 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 5,38 kg Measuring rim 2,50x19 DOT: DOP: 4422

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 (limits from 659 to 680 mm)
 Overall width: 111,3 mm (limit max 136 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 Slíž

[Signature]



[Handwritten signature]



Sample No 54616 Tyre size: 110/80B19 Mitas Enduro Tra Method: MZR-M-003

	Tyre		Tyre width at six points on circumference						Overall tyre	
	inflation	cicumf.	1	2	3	4	5	6	width	diameter
Date of measurement	kPa	mm	mm	mm	mm	mm	mm	mm	mm	mm
21.01.2023	280	2 100	111,3	111,1	111,2	111	110,9	110,9	111,3	668



Trelleborg Wheel Systems Czech Republic a.s., Švehlova 1900/3, Záběhlce, 106 00 Praha

TRELLEBORG

TEST REPORT No. 2023 - 466



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
 Requirement No.: DLI/23019
 Dept.: Moto Kranj Task: 01T/2023/DLI
 Project No.: 70001032
 Application date: 16.01.2023
 Report issue date: 23.01.2023
 Test motive: Prototype tyres V1 (ECE homologation), 70001032 (224448)

2. Tested sample: Tyre
 Sort: M Ident. No.: 54616
 Dimension 110/80B19 Name: Mitas Enduro Trail+ E-07+ Dakar
 Designation 1, V1 Product: TWS India Approval -
 LI: 59 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 5,38 kg Measuring rim 2,50x19 DOT: DOP: 4422

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: 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: 23-0466
 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

[Signature]



Sample No.: 54616 Size: 110/80B19 Mitas Enduro Trail+ E-07 Method: KPB-M-003

Date: 20.01.2023

Dimension of approval mark:

diameter of circle: 0 mm

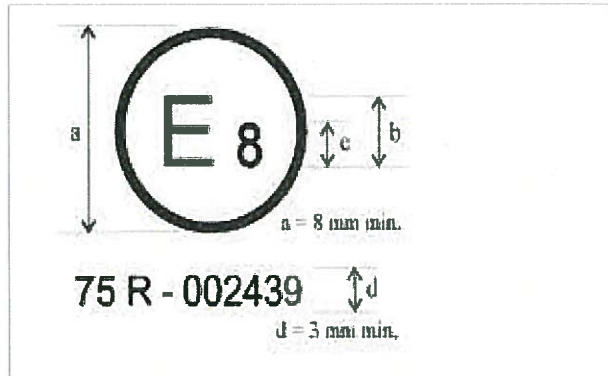
height of letter E: 0 mm

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): 0

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 - 471

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
Requirement No.: DLI/23019
Dept.: Moto Kranj Task: 01T/2023/DLI
Project No.: 70001032
Application date: 16.01.2023
Responsible: Mr. Lončarič
Report issue date: 20.01.2023
Test motive: Prototype tyres V1 (ECE homologation), 70001032 (224448)

2. Tested sample: Tyre
Sort: M Ident. No.: 54617
Dimension 110/80B19 Name: Mitas Enduro Trail+ E-07+ Dakar
Designation 2, V1 Product: TWS India Approval -
LI: 59 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 5,38 kg Measuring rim 2,50x19 DOT: DOP: 4422

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: 2,50x19 H2 Inflation: 350 kPa capped
Load: 155 daN Drum speed: km/h Slip: 0° Camber: 0°
Cycle min/max: Track min/max: km

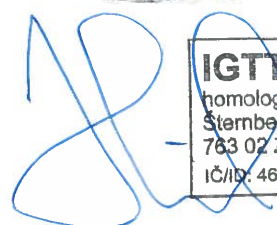
5. Results: Without failure.
Difference of tyre circumference at start and at end of test: 0,4 %
Undergo cycles: 76 547 Undergo track: 160 km

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



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

Sample No.: 54617		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 hhh:mm:ss	Speed km/h	Load daN	Inflation kPa	Radius mm	Surface °C	Room °C	Distance km	Cycles	Diameter/ deflection mm
1	Start	18.01.2023 6:08:14	000:00:00	000:00:00			350			36,0			670
2	Cont	18.01.2023 6:29:01	000:20:00	000:20:00	90,2	155		327		36,2	30	14 498	8
3	Cont	18.01.2023 6:39:03	000:10:00	000:30:00	180,0	155		330		36,4	60	28 908	5
4	Cont	18.01.2023 6:49:05	000:10:00	000:40:00	190,0	155		331		36,6	91	44 034	4
5	Cont	18.01.2023 6:59:07	000:10:00	000:50:00	200,1	155		331		36,8	125	59 920	4
6	Cont	18.01.2023 7:09:10	000:10:00	001:00:00	210,0	155		331		37,0	160	76 547	3
7	Int:M	18.01.2023 7:13:04	000:03:54	001:00:00						36,8			
8	Int:O	18.01.2023 13:32:49	006:19:45	001:00:00			340			36,8			673
9	End	18.01.2023 13:32:52	000:00:04	001:00:00						36,8			

Tyre width immediately after end of test(mm): 112,3 - 112,3 - 112,2 - 112,2 - 112,3 - 112,4

Change of tyre circumference before test and 6h after test (%): 0,43

TEST REPORT No. 2023 - 472

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
Requirement No.: DLI/23019
Dept.: Moto Kranj Task: 01T/2023/DLI
Project No.: 70001032
Application date: 16.01.2023
Responsible: Mr. Lončarič
Report issue date: 19.01.2023
Test motive: Prototype tyres V1 (ECE homologation), 70001032 (224448)

2. Tested sample: Tyre
Sort: M Ident. No.: 54617
Dimension 110/80B19 Name: Mitas Enduro Trail+ E-07+ Dakar
Designation 2, V1 Product: TWS India Approval -
LI: 59 SS: H IP: 290 kPa PR LR: B Type TL/TT M+S M
Weight: 5,38 kg Measuring rim 2,50x19 DOT: DOP: 4422

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: 340 mm (limit: 345 mm)
Overall width of tyre at max. speed: 102 mm (limit: 121 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, 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

