



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



Trelleborg Slovenija, d.o.o.
Pa MOTO
Škofjeloška cesta 6
4000 Kranj
SLOVENIA

75 R 0 0 1 0 7 0

Zlín 8th October 2018

Re : Communication concerning the approval and notification of approval number

Enclosed you will find the Communication concerning the approval of your tyres according to ECE Regulation No. 75.

On the base of this approval you are entitled to produce in your factory tyres of the dimension :

120/70ZR19 MITAS TERRA FORCE-R M/C TL 60W

with the approval number : **E8 75R 001070**

Sincerely yours


IGTT a.s.
Tyre Approval Department
Štemberská 446, Louky
763 02 Zlín, Czech Republic
IČ/ID: 46900080 DIČ/VAT: CZ46900080  

Petr Husták, Ph.D.
Tyre Approval Department Head

Ministerstvo dopravy České republiky
Ministry of Transport of the Czech Republic
Nábřeží L. Svobody 12, CZ-110 15 Praha 1

OSVĚDČENÍ o : 1/

COMMUNICATION concerning : 1/



UDĚLENÍ HOMOLOGACE

ROZŠÍŘENÍ HOMOLOGACE
ZAMÍTNUTÍ HOMOLOGACE
ODEBRÁNÍ HOMOLOGACE
DEFINITIVNÍM UKONČENÍ VÝROBY

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APPROVAL WITHDRAWN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 moped pursuant to Regulation No. 75

Homologace č.:

Approval No.: **75 R 001070**

Rozšíření č.:

-

Extension No.:

N/A

1. Obchodní název nebo značka pneumatiky :
Manufacturer's name or trade mark (s)
on the tyre type :

MITAS

2. Označení typu pneumatiky výrobcem :
Tyre type designation by the manufacturer :

TERRA FORCE-R

3. Název a adresa výrobce :
Manufacturer's name and address :

Trelleborg Wheel Systems Czech Republic a.s.
výrobní úsek Zlín
ulice Šedesátá č.p. 5638
762 02 Zlín
CZECH REPUBLIC

Trelleborg Slovenija, d.o.o.
PA Moto
Škofjeloška cesta 6
4000 Kranj
SLOVENIA

4. Název a adresa zástupce výrobce
(je-li potřebné) :
If applicable, name and adress of 4
manufacturer's representative :

-

N/A

5. Souhrnný popis
Sumarized description

5.1. Označení rozměru pláště :
Tyre size designation :

120/70ZR19 M/C TL

5.2. Kategorie užití :
Category of use :

normální / speciální / zimní / moped / all-terrain
ordinary / special / snow / moped / all-terrain 1/

5.3. Konstrukce :
Structure :

diagonální / radiální / smíšená /
diagonal / radial / bias-belted / 1/

5.4. Kategorie rychlosti :
Speed category symbol :

W

5.5. Indexy nosnosti :
Load capacity index :

60



- 5.6. U pneu All Terrain (AT) symbol určující referenční huštění : -
For All Terrain (AT) tyres, the symbol identifying the reference pressure : N/A
6. Homologační zkušebna a případně zkušební laboratoř schválená pro účely homologace nebo pro ověřování shodnosti : IGTT a. s. - Institut gumárenské technologie a testování
Technical service and where applicable, test laboratory additional approved purposes of approval or of verification of conformity : Rubber Technology and Testing Institute, Šternberská 446, Louky, 763 02 ZLÍN, CZECH REPUBLIC
7. Datum protokolu, vydaného touto zkušebnou :
Date of report issued by that service : 08.10.2018
8. Číslo protokolu, vydaného touto zkušebnou :
Number of report issued by that service : 75/1070
9. Důvod pro rozšíření (je-li potřebné) :
Reason (s) of extension (if applicable) : -
10. Poznámky :
Any remarks : -
11. Místo :
Place : Praha
12. Datum :
Date : 08.10.2018
13. Podpis :
Signature : 
Marek Brázda
14. 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

- 1 výkresy bočnice a běhounu pláště
drawing of the tyre sidewalls and tread
kótovaný výkres příčného řezu pláště
dimensioned drawing of tyre cross - section

1/ Nehodící se škrtněte
Delete that which does not apply



APPROVAL

ECE Regulation No. 75

8.10.2018		E8 75R-001070	75/1070
Date	Approved by	Approval No.	Report No.

120/70ZR19	MITAS TERRA FORCE-R
Size	Trade name

SC: W

Date of manufacture: 3518

TL/TT: TL

Normal/Special/M+S: Normal

Manufacturer : TRELLEBORG Slovenia, d.o.o.

TYRE TEST RESULT

Tyre passed all tests according to ECE No. 75.

PASSED

Markings	E8 75R-001070
	120/70ZR19 MITAS TERRA FORCE-R M/C 60W RADIAL TUBELESS ROTATION --> DOT H3 MR MAAF 3818 LR B MAX LOAD 250kg (551lbs) AT 290kPa (42 psi) COLD TREAD 2 POLYESTER + 1 STEEL SIDEWALL 2 POLYESTER MADE IN SLOVENIA SAFETY WARNING..... FOR FRONT WHEEL USE ONLY

TYRE DIMENSION MEASUREMENT

Width	Measuring rim: 3.5x19			Measuring inflation : 280			kPa		
	1.	121,6 mm	2.	122,1 mm	3.	121,5 mm	Conditioned 24 hours temperature 20 + 30 °C		
	4.	121,6 mm	5.	121,7 mm	6.	121,9 mm			
Tyre circumference : 2050 mm									
S - nominal tyre width S - max tyre width D - nominal tyre diameter D - max. tyre diameter D max = d + a (D-d) D - min. tyre diameter D min = d + b (D-d) For d ≤12" Normal / M+S S max = S + 8% For d ≥13" Normal / M+S S max = S + 10% Special / MST S max = S + 25% For d ≤12" Normal a = 0,93 b = 1,10 For d ≥13" Normal a = 0,97 b = 1,07 M+S a = 0,97 b = 1,12 Special, MST a = 1,00 b = 1,12							Dimensions	Prescribed by ECE No.75	Measured
								S = 122 mm	122 mm
								S max = 134 mm	
							Description	D = 651 mm	653 mm
								D max = 663 mm	
D min = 646 mm									
Minimum		Measured							
Circle	8 mm	12 mm							
"E"	4 mm	6 mm							
"8"	3 mm	4 mm							
markings	4 mm	4 mm							
Comments		Without any comments.							



Šternberská 446
763 02 Zlín, CZ

TYRE TEST REPORT
APPROVAL
LOAD SPEED PERFORMANCE TEST
ECE Regulation No. 75

E8 75R-001070

Approval No.

75/1070

Report No.

120/70ZR19	MITAS TERRA FORCE-R
Size	Trade name

LI: **60**
SC: **W**
Date of manufacture: **3518**
TL/TT: **TL**
Normal/Special/M+S: **Normal**

Manufacturer : **TRELLEBORG Slovenia, d.o.o.**

Test condition

Test drum, ambient temperature :	Ø 2000 mm	38±3°C
Test rim :	3.5x19	
Test inflation :	320	kPa
Max. speed for SC :	W	270 km/h
Max. load corresponding to LI :	60	250 kg
Test load rating (65% LI) :	120	daN

Step	Test Speed	Step Time	Comments
1	from 0 to 240 km/h	20 min	
2	240 km/h	10 min	
3	250 km/h	10 min	
4	260 km/h	10 min	OK
5	270 km/h	10 min	OK

Test results

Tyre diameter	Before test:	Ø = 654 mm
	6 hours after test:	Ø = 653 mm
Diameter difference after test		-0,15 %
		Max. tolerance: ± 3,5%

TYRE DIMENSION MEASUREMENT AFTER LOAD SPEED PERFORMANCE TEST

1.	123,4 mm	2.	123,6 mm	3.	123,7 mm
4.	123,2 mm	5.	123,5 mm	6.	123,5 mm

Comments	Tyre passed Load - Speed Performance test according to ECE R.75. Ambient temperature was agreed with tyre manufacturer.
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ECE Regulation No. 75

LOAD SPEED PERFORMANCE TEST - 2

ECE Regulation No. 75

Šternberská 446
763 02 Zlín, CZ

E8 75R-001070

Approval No.

75/1070

Report No.

120/70ZR19	MITAS TERRA FORCE-R
Size	Trade name

LI: 60
SC: W
Date of manufacture: 3518
TL/TT: TL
Normal/Special/M+S: Normal

Manufacturer : TRELLEBORG Slovenia, d.o.o.

Test condition

Test drum, ambient temperature :	Ø 2000 mm	38±3°C
Test rim :	3.5x19	
Test inflation :	320	kPa
Max. speed for SC :	W	270 km/h
Max. load corresponding to LI :	60	250 kg
Test load rating (65% LI) :	120	daN

Step	Test Speed	Step Time	Comments
1	from 0 to 240 km/h	20 min	
2	240 km/h	20 min	
3	from 240 to 280 km/h	10 min	OK
4	280 km/h	5 min	OK

Test results

Circumference and outer diameter	Before test:	Ø = 654 mm
	6 hours after test:	Ø = 654 mm
Diameter difference after test		0,00 %
Max. tolerance:		± 3,5%

TYRE DIMENSION MEASUREMENT AFTER LOAD SPEED PERFORMANCE TEST

1.	122,7 mm	2.	122,4 mm	3.	122,6 mm
4.	122,5 mm	5.	122,4 mm	6.	122,6 mm

Comments	Tyre passed Load - Speed Performance test according to ECE R.75. Ambient temperature and testing speed Vmax=280km/h were agreed with tyre manufacturer.
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**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE
FOR MOTOR CYCLES AND MOPEDS ACCORDING TO ECE REGULATION No. 75**

4.1.1.	Tyre size designation:	120/70ZR19
4.1.2.	Manufacturers name, tyre name:	MITAS TERRA FORCE-R
4.1.3.	The category of use:	MOTORCYCLE
4.1.4.	Structure (diagonal, bias belted, radial):	RADIAL
4.1.5.	The speed category:	W
4.1.6.	The load-capacity index of the tyre:	60
4.1.7.	Tube type or Tubeless:	TUBELESS
4.1.8.	Normal or Reinforced:	NORMAL
4.1.9.	Ply rating number of tyres for motor cycle derivatives:	TREAD: 2 POLYESTER+1 STEEL SIDEWALL: 2 POLYESTER
4.1.10.	The overall dimensions	
	overall section width:	Overall section width: 122.1 mm
	overall diameter:	Overall diameter: 653.0 mm
4.1.11.	The rims on which the tyre can be mounted:	2.75-19, 3.00-19, 3.50-19, 3.75-19
4.1.12.	The measuring rim and test rim:	3.50-19
4.1.13.	The test and measurement pressure	Test pressure: 320 kPa Measuring pressure: 280 kPa
4.1.14.	Factor x	0.7
4.1.15.	Max allowed speed for load-capacity defined in 4.1.6.	270 km/h

120/70