



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



PETLAS TIRE INDUSTRY  
AND TRADE COMPANY  
Kindam Mah.  
Ankara-Kayseri Cad. No:2/1  
40200 Kirsehir  
TURKEY

0 0 2 5 0 6

Zlín 11<sup>th</sup> January 2019

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. **54**

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

**315/70 R22.5 PETLAS PROGREEN SH110 156/150L (154/150M) TL**

with the approval number : **E8 002506**

Sincerely yours

  
**IGTT a.s.**  
Tyre Approval Department  
Šternberská 446, Louky  
763 02 Zlín, Czech Republic  
IČO/D: 46900080 DIČ/VAT: CZ46900080  21

**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APPROVAL WITHDRAWN  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 motorová vozidla podle Předpisu č. 54**  
**Of a type of tyre for motor vehicles to Regulation No. 54**

Homologace č.:

Approval No.:

**0 0 2 5 0 6**

Rozšíření č.:

Extension No.:

-

N/A

- |        |                                                                                                                            |   |                                                                                                                             |
|--------|----------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------|
| 1.     | Název a adresa výrobce<br>Manufacturer's name and address                                                                  | : | <b>PETLAS TIRE INDUSTRY<br/>AND TRADE COMPANY<br/>Kindam Mah.<br/>Ankara-Kayseri Cad. No.2/1<br/>40200 Kirsehir, TURKEY</b> |
| 2.     | Označení typu pneumatiky<br>Tyre type designation                                                                          | : | <b>PROGREEN SH110</b>                                                                                                       |
| 2.1.   | Značka / obchodní značka<br>Brand name(s)/trademark(s)                                                                     | : | <b>PETLAS</b>                                                                                                               |
| 2.2.   | Obchodní popis / obchodní jméno<br>Trade description(s)/ Commercial name(s)                                                | : | -                                                                                                                           |
| 3.     | Název a adresa zástupce výrobce<br>(je-li potřebné)<br>If applicable, name and address of<br>manufacturer's representative | : | -<br><br><b>N/A</b>                                                                                                         |
| 4.     | Souhrnný popis<br>Sumarized description                                                                                    | : |                                                                                                                             |
| 4.1.   | Označení rozměru pláště<br>Tyre size designation                                                                           | : | <b>315/70R22.5</b>                                                                                                          |
| 4.2.   | Kategorie užití<br>Category of use                                                                                         | : | <b>normální / speciální / zimní /<br/>ordinary / special / snow /</b> 1/                                                    |
| 4.3.   | Konstrukce<br>Structure                                                                                                    | : | <b>diagonální / radiální /<br/>diagonal / radial /</b> 1/                                                                   |
| 4.4.   | Třída pneumatiky<br>Tyre class                                                                                             | : | <b>G2 / C3</b> 1/                                                                                                           |
| 4.5.   | Kategorie rychlosti<br>Speed category symbol                                                                               | : |                                                                                                                             |
| 4.5.1. | Nominální<br>Nominal                                                                                                       | : | <b>L</b>                                                                                                                    |



- 4.5.2. Doplnková (je-li potřebné) :  
Additional (if applicable) : M
- 4.6. Indexy nosnosti  
Load capacity index
- 4.6.1. Odpovídající nominální rychlosti : v jednomontáži 156 ve dvojmontáži 150  
Corresponding to nominal speed : single twinned (dual)
- 4.6.2. Odpovídající doplňkové rychlosti : v jednomontáži 154 ve dvojmontáži 150  
Corresponding to additional speed : single twinned (dual)

5. 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

6. Datum protokolu, vydaného touto zkušebnou :  
Date of report issued by that service : 11.01.2019

7. Číslo protokolu, vydaného touto zkušebnou :  
Number of report issued by that service : 54/2506

8. Důvod pro rozšíření (je-li potřebné) :  
Reason (s) of extension (if applicable) : -

9. Poznámky :  
Any remarks : -

10. Místo : Praha  
Place :

11. Datum : 11.01.2019  
Date :

12. Podpis :  
Signature : Marek Brázda

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

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



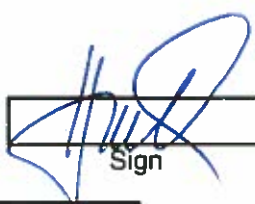
1/ Nehodící se škrtněte  
Delete that which does not apply

E8 002506

## APPROVAL ECE Regulation No. 54

**E8 002506**

Approval No.

  
Sign

**11.1.2019**

Date

**54/2506**

Report No.

Size

**315/70R22.5**

Trade name, tyre name

**PROGREEN SH 110**

**Manufacturer: PETLAS, Turkey**

TT/TL:

**TL**

SC:

**L**

Date of manufacture: **4718**

LCI:

**156/150**

Norm./Spec./M+S:

**Normal**

### Result of the test

**The tyre passed all tests according to ECE No. 54**

**PASSED**

### Markings

**Sidewall:** E8 002506 E9 021100S2WR1  
315/70R22.5 PETLAS PROGREEN SH110  
156/150L (154/150M) 130PSI ALL STEEL RADIAL REGROOVABLE TUBELESS P-ECO  
DOT 285 WR 71854 4718 LOAD RANGE L PLIES: TREAD 5 STEEL SIDEWALL 1 STEEL  
MAX LOAD SINGLE 4000kg (8820lbs) AT 895kPa (130PSI) COLD  
MAX LOAD DUAL 3350kg (7385lbs) AT 895kPa (130PSI) COLD  
MADE IN TURKEY SAFETY WARNING..... www.petlas.com.tr

|        | Min. | Measured |                   | Min. | Measured |
|--------|------|----------|-------------------|------|----------|
| Circle | 12mm | 14 mm    | Size              |      |          |
| "E"    | 6mm  | 7 mm     | d<20", S<=235mm   |      |          |
| "8"    | 4mm  | 5 mm     | d>=20", S>235mm   | 9mm  | 19 mm    |
| "kPa"  | 2mm  | 3 mm     | TT, TL, Date, M+S | 4mm  | 5 mm     |
|        |      |          | LCI SC            | 6mm  | 8 mm     |

### Tyre dimensions measurement

|       |                              |                  |    |                 |                |        |
|-------|------------------------------|------------------|----|-----------------|----------------|--------|
| Width | Test rim:                    | <b>9.00x22.5</b> |    | Test inflation: | <b>895 kPa</b> |        |
|       | 1:                           | 317 mm           | 2: | 315 mm          | 3:             | 316 mm |
|       | 4:                           | 315 mm           | 5: | 316 mm          | 6:             | 317 mm |
|       | Conditioned 24hours, 20-30°C |                  |    |                 |                |        |

### Maximum circumference:

Circumference: **3173 mm**

### Results

|        |      |       |          | Prescribed                                    | Measured       |
|--------|------|-------|----------|-----------------------------------------------|----------------|
| Rad    | +4%  | +2%   | Pro dual | Over-all width ECE No.54 S                    | 312 mm         |
| Diag.  | +8%  | +4%   | S>305mm  | Max.over-all width S+4% = S <sub>max</sub>    | 318 mm         |
| a=0,97 | Rad. | Diag. | M+S      | Outer diameter D                              | 1014 mm        |
| bNorm= | 1,04 | 1,07  | +1%      | Max tyre diameter d+b(D-d) = D <sub>max</sub> | 1032 mm        |
| bSpec= | 1,06 | 1,09  | +1%      | Min tyre diameter d+a(D-d) = D <sub>min</sub> | 1001 mm        |
|        |      |       |          |                                               | <b>1010 mm</b> |

**Comments**

Without any comments.



Šternberská 446  
763 02 Zlín, CZ

## LOAD SPEED ENDURANCE TEST

ECE No.54

54/2506

Report No.

E8 002506

Approval No.

Size  
**315/70R22.5**

Trade name, tyre name  
**PROGREEN SH 110**

TT/TL: TL  
LCI: 156/150  
SC: L  
Temp./Norm./M+S: Normal

Date of manufacture.: 4718

## Conditions of the test

|                                  |                   |
|----------------------------------|-------------------|
| Test drum:                       | Ø 1707mm          |
| Test rim:                        | 9.00x22.5         |
| Test inflation:                  | 895 kPa           |
| Ambient temperature              | 38±3 °C           |
| Max.speed for SC:                | L ≈ 120 km/h      |
| Max. load corresponding to LI:   | 156/150 ≈ 4000 kg |
| Test speed : Normal*M+S*Special: | 64 km/h           |

## Test procedure

| Step      | Step time | Load  | Test load | Date   | Time  | Comments |
|-----------|-----------|-------|-----------|--------|-------|----------|
| 1         | 7 hours   | 66 %  | 2589 daN  | 4.1.19 | 9:39  |          |
| 2         | 16 hours  | 84 %  | 3295 daN  | 4.1.19 | 16:39 |          |
| 3         | 24 hours  | 101 % | 3962 daN  | 5.1.19 | 8:39  | OK       |
| Finished: |           |       |           | 6.1.19 | 8:39  | OK       |

## Test result

|                                     |                     |                  |
|-------------------------------------|---------------------|------------------|
| Outer                               | Before test:        | Ø = 1011 mm      |
| diameter                            | 6 hours after test: | Ø = 1014 mm      |
| Diameter difference after the test: |                     | 0,3 %            |
|                                     |                     | Tolerance ± 3,5% |

|          |                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------|
| Comments | Tyre passed the endurance test according to ECE No.54.<br>Ambient temperature was agreed with tyre manufacturer. |
|----------|------------------------------------------------------------------------------------------------------------------|



Šternberská 446  
763 02 Zlín, CZ

## LOAD SPEED ENDURANCE TEST

ECE No.54

54/2506

Report No.

E8 002506

Approval No.

Size  
**315/70R22.5**

Trade name, tyre name  
**PROGREEN SH 110**

TT/TL: TL  
LCI: 154/150  
SC: M  
Temp./Norm./M+S: Normal

Date of manufacture.: 4718

## Conditions of the test

|                                  |                   |
|----------------------------------|-------------------|
| Test drum:                       | Ø 1707mm          |
| Test rim:                        | 9.00x22.5         |
| Test inflation:                  | 895 kPa           |
| Ambient temperature              | 38±3 °C           |
| Max.speed for SC:                | M ≈ 130 km/h      |
| Max. load corresponding to LI:   | 154/150 ≈ 3750 kg |
| Test speed : Normal*M+S*Special: | 72 km/h           |

## Test procedure

| Step      | Step time | Load  | Test load | Date   | Time  | Comments |
|-----------|-----------|-------|-----------|--------|-------|----------|
| 1         | 7 hours   | 66 %  | 2427 daN  | 6.1.19 | 9:03  |          |
| 2         | 16 hours  | 84 %  | 3089 daN  | 6.1.19 | 16:03 |          |
| 3         | 24 hours  | 101 % | 3714 daN  | 7.1.19 | 8:03  | OK       |
| Finished: |           |       |           | 8.1.19 | 8:03  | OK       |

## Test result

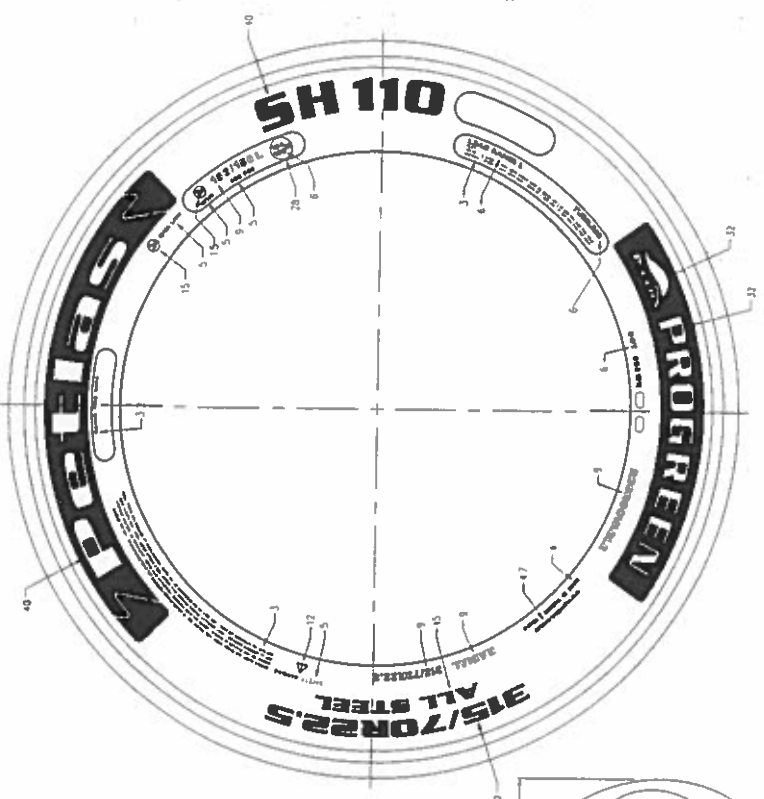
|                                     |                     |                  |
|-------------------------------------|---------------------|------------------|
| Outer                               | Before test:        | Ø = 1011 mm      |
| diameter                            | 6 hours after test: | Ø = 1014 mm      |
| Diameter difference after the test: |                     | 0,3 %            |
|                                     |                     | Tolerance ± 3,5% |

## Comments

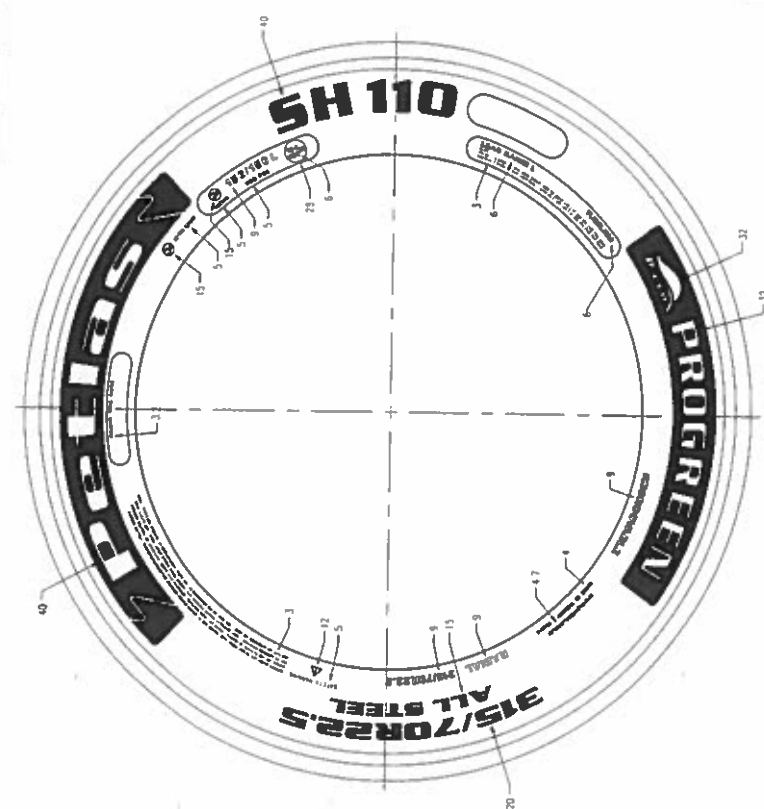
Tyre passed the endurance test according to ECE No.54.  
Ambient temperature was agreed with tyre manufacturer.

6.10

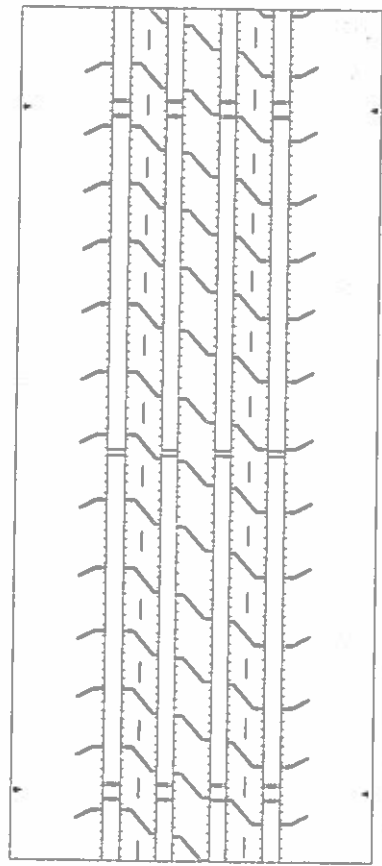
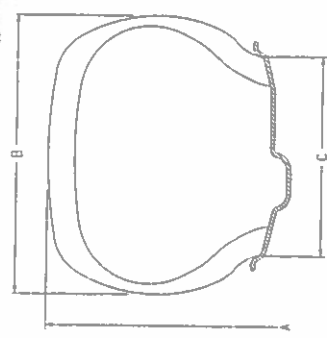
11-01-7319



SERIAL SIDE



NON SERIAL SIDE



|                         |                            |                                                |              |                         |                        |     |    |        |                       |
|-------------------------|----------------------------|------------------------------------------------|--------------|-------------------------|------------------------|-----|----|--------|-----------------------|
| L                       | 315/70R22.5                | 156/150                                        | -            | X                       | 1014                   | 312 | 9  | 002506 | -                     |
| L                       | 315/70R22.5                | 156/150                                        | -            | X                       | 1014                   | 312 | 9  | 002506 | -                     |
| HAZ SHFT<br>(SPEED CAT) | LASTIK EBAH<br>(TIRE SIZE) | TUK KAPASITE<br>INDEXES<br>(LOAD CAP<br>INDEX) | TP<br>(TYPE) | C LASTIK<br>(TUBE TYPE) | C LASTIK<br>(TUBELESS) | A   | B  | C      | ACTILAMA<br>(REMARKS) |
|                         |                            |                                                |              |                         |                        | mm  | mm | mm     |                       |
|                         |                            |                                                |              |                         |                        |     |    |        |                       |

SRT DESIN: (TREAD PATTERN) SH110 PROGREEN  
 SRT1 (TREAD) 5 STEEL  
 YANAK (SIDEWALL) 1 STEEL

RESAM NO.  
(DRAWING NO.)  
PK1-13240

TARH  
(DATE)  
20.12.2018

KONTROL (CHECKED)  
 SARAH TIAH  
 KURNIA SAUDATI