



INSTITUT GUMÁRENSKÉ TECHNOLOGIE A TESTOVÁNÍ, A.S.  
RUBBER TECHNOLOGY AND TESTING INSTITUTE, Plc.  
INSTITUT FÜR GUMMITECHNOLOGIE UND PRÜFWESSEN, 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

**E8\*54R00/23\*2918\*00**

Zlín 23<sup>th</sup> June 2020

**Communication concerning the approval and notification of approval number – inspection report**

Tyre type fully complies requirements of ECE/UN R54.

Enclosed you will find the Communication concerning the approval of your tyres according to ECE/UN Regulation No. **54**

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

**275/70R22.5 STARMAXX GU500 150/148J**

with the approval number : **E8\*54R00/23\*2918\*00**  
date of inspection : **23<sup>th</sup> June 2020**

Sincerely yours,



**Václav Hořelka**  
Head Of Tyre Approval Department  
Head Of Inspection Body HS440

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~~APPROVAL WITHDRAWN~~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.: **E8\*54R00/23\*2918\*00**

Rozšíření č.:

Extension No.: -

- |        |                                                                                                                           |   |                                                                                                                             |
|--------|---------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------|
| 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>GU500</b>                                                                                                                |
| 2.1.   | Značka / obchodní značka<br>Brand name(s)/trademark(s)                                                                    | : | <b>STARMAXX</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 adress of<br>manufacturer's representative | : | <b>N/A</b>                                                                                                                  |
| 4.     | Souhrnný popis<br>Sumarized description                                                                                   | : |                                                                                                                             |
| 4.1.   | Označení rozměru pláště<br>Tyre size designation                                                                          | : | <b>275/70R22.5</b>                                                                                                          |
| 4.2.   | Kategorie užití<br>Category of use                                                                                        | : | <b>normální / zimní / speciální /<br/>normal / snow / special / 1/</b>                                                      |
| 4.3.   | Konstrukce<br>Structure                                                                                                   | : | <b>diagonální / radiální /<br/>diagonal / radial / 1/</b>                                                                   |
| 4.4.   | Třída pneumatiky<br>Tyre class                                                                                            | : | <b>C2 / C3 1/</b>                                                                                                           |
| 4.5.   | Kategorie rychlosti<br>Speed category symbol                                                                              | : |                                                                                                                             |
| 4.5.1. | Nominální<br>Nominal                                                                                                      | : | <b>J</b>                                                                                                                    |
| 4.5.2. | Doplňková (je-li potřebné)<br>Additional (if applicable)                                                                  | : | -                                                                                                                           |



- 4.6. Indexy nosnosti  
Load capacity index
- 4.6.1. Odpovídající nominální rychlosti : v jednomontáži 150 ve dvojmontáži 148  
Corresponding to nominal speed : single twinned (dual)
- 4.6.2. Odpovídající doplňkové rychlosti : v jednomontáži - ve dvojmontáži -  
Corresponding to additional speed : single twinned (dual)
5. Homologační zkušebna a případně IGTT a.s. - Rubber Technology and  
zkušební laboratoř schválená pro Testing Institute  
účely homologace nebo pro ověřování Šternberská 446, Louky, 763 02 Zlín  
shodnosti CZECH REPUBLIC  
Technical service and where  
applicable, test laboratory additional  
approved purposes of approval or of  
verification of conformity :
6. Datum protokolu, vydaného touto :  
zkušebnou :  
Date of report issued by that service : 12.05.2020
7. Číslo protokolu, vydaného touto :  
zkušebnou :  
Number of report issued by that service : D020-1148
8. Důvod pro rozšíření (je-li potřebné) :  
Reason (s) of extension (if applicable) : -
9. Poznámky :  
Any remarks : -
10. Místo : Praha  
Place :
11. Datum : 23.06.2020  
Date :
12. Podpis :  
Signature : Václav Hořelka
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 homologaci / application for approval
  - výkresy bočnice a běhounu pláště, kótovaný výkres příčného řezu pláště
  - drawing of the tyre sidewalls and tread, dimensioned drawing of tyre cross - section
  - prohlášení výrobce / manufacturer's declaration

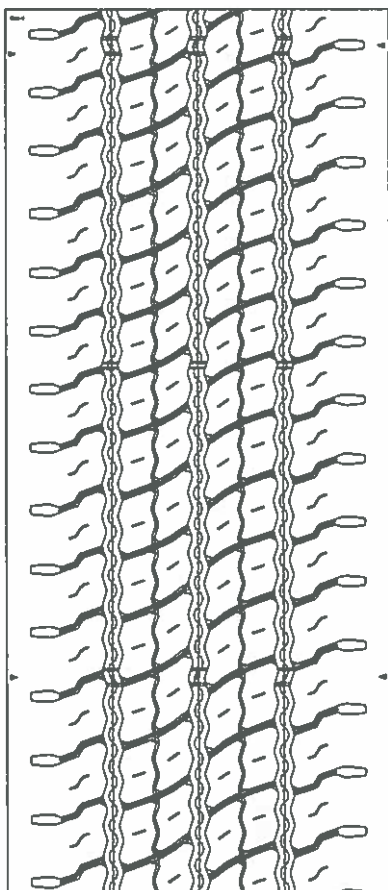
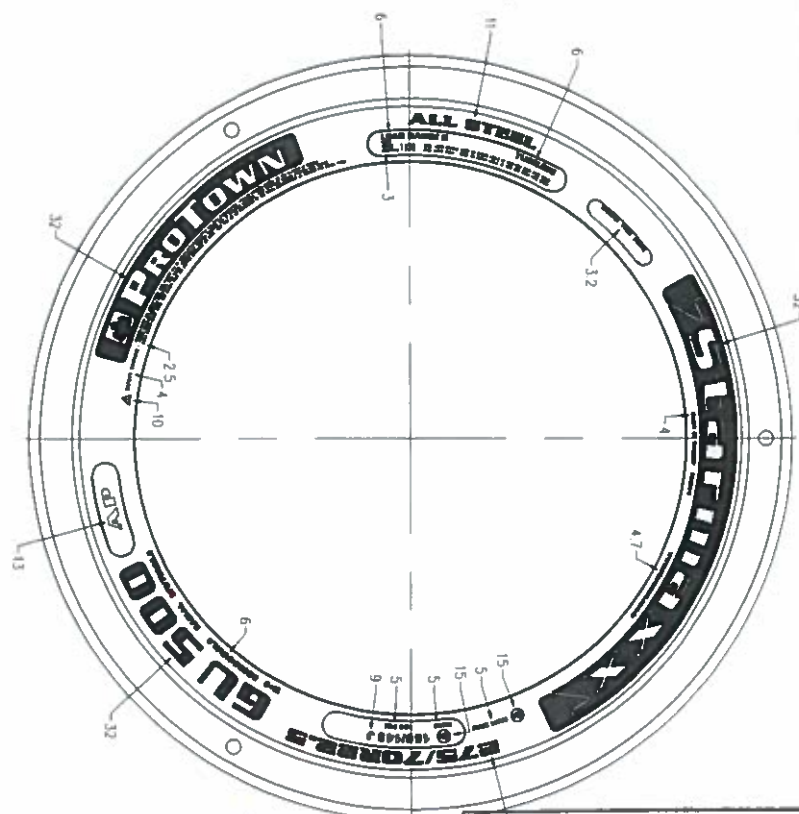
1/ Nehodící se škrtněte  
Delete that which does not apply

E8 002918

## APPLICATION FOR APPROVAL ECE No. 54

|         |                                                                                                                          |                                             |      |
|---------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------|
| 4.1.1   | Tyre-size designation                                                                                                    | : 275/70 R22,5                              |      |
| 4.1.2   | The manufacturer's name                                                                                                  | : PETLAS TIRE INDUSTRY<br>AND TRADE COMPANY |      |
| 4.1.2.1 | The Brand name(s)/trademark(s)                                                                                           | : STARMAXX                                  |      |
| 4.1.2.2 | The trade description(s)/commercial name(s)                                                                              | : GU500                                     |      |
| 4.1.3   | Category of use (normal/special/snow)                                                                                    | : SNOW                                      |      |
| 4.1.3.1 | For the tyres belonging to the category of use "special use tyre" those which may bear the inscription M+S or M.S or M&S | : YES                                       |      |
| 4.1.4   | Structure (diagonal(bias ply)/radial)                                                                                    | : RADIAL                                    |      |
| 4.1.5   | Speed category                                                                                                           | : J                                         |      |
| 4.1.6   | The load-capacity indexes                                                                                                | : 150/148                                   |      |
| 4.1.7   | Tube type / Tubeless                                                                                                     | : TUBELESS                                  |      |
| 4.1.8   | Overall section width,                                                                                                   | : 276                                       | mm   |
|         | Outer diameter                                                                                                           | : 958                                       | mm   |
| 4.1.9   | Factor X                                                                                                                 | : 0.75                                      |      |
| 4.1.10  | The rims on which the tyre can be mounted                                                                                | : 7.50 ; 8.25                               | inch |
| 4.1.11  | The measuring rim and test rim                                                                                           | : 8.25                                      | inch |
| 4.1.12  | The inflation pressure for the dimension measurement and for the load/speed endurance test pressure                      | : 900                                       | kPa  |
| 4.1.13  | The additional load/speed combinations                                                                                   | : NA                                        |      |





| HIZ SMRT<br>(SPEED CAT.) | LASTIK EBAN<br>(THRE SIZE) | YUK KAPASITE<br>RIDESES<br>(LOAD CAP.<br>WDCX) | TP<br>(TYPE) | A   | B   | C    | D   | E  | OMAY NO.<br>(APPROVAL NO.)<br>Ea<br>R-54 | OMAY NO.<br>(APPROVAL NO.)<br>Eo<br>R-117 | APCQ AMAN<br>(REMARKS) |
|--------------------------|----------------------------|------------------------------------------------|--------------|-----|-----|------|-----|----|------------------------------------------|-------------------------------------------|------------------------|
| J                        | 275/70R22.5                | 148/145                                        | -            | 958 | 276 | 6.25 | 238 | 19 | 002918                                   | 020210 S2MR2                              | -                      |
| J                        | 275/70R22.5                | 148/145                                        | -            | 958 | 276 | 6.25 | 238 | 19 | 002918                                   | 020210 S2MR2                              | -                      |

SIRT DESAIN (TREAD PATTERN) : GU 500  
SIRT (TREAD) : 5 STEEL  
YANAK (SIDEWALL) : 1 STEEL

RESAM NO.  
(DRAWING NO.)

TARIH  
(DATE)

| KONTROL (CHECKED) |          |
|-------------------|----------|
| DATE              | INITIALS |

100%

PKT-13062A-3

17.06.2020

By                     

homologace pneumatik  
Šternberská 446, Louky  
763 02 Zlín, Czech Republic

IC/ID: 46900080 DIČ/VAT: CZ46900080





**Lastik Sanayi ve Ticaret A.Ş.**

**Date : 17.06.2020**  
**Ref. No : 155/055/020**  
**Subject : DECLARATION**  
**Cc : Mr. Vaclav Horelka**  
**Tire Approval Department Head**  
**IGTT ZLIN**

To whom it may concern;

Petlas confirms that the tires which are given below are produced under the same specification and same technology (same raw materials, same green tire specification, same machine, same mold). Only the trade mark of the tires are different.

| BRAND    | SIZE                            | APPROVAL NUMBER |
|----------|---------------------------------|-----------------|
| PETLAS   | 275/70 R22,5 SU500 TL 150/148 J | E8 002917       |
| STARMAXX | 275/70 R22,5 GU500 TL 150/148 J | E8 002918       |

  
Product Performance Evaluation Manager

Kindam Mah. Ankara-Kayseri Cad. No:2/1 KIRŞEHİR Tel. 0386 2526550 (20 Hat) Faks: 0386 2526670

[www.petlas.com.tr](http://www.petlas.com.tr) [petlas@petlas.com](mailto:petlas@petlas.com)

Petlas bir Abdulkadir Özcan Otomotiv Lastik San. Ve Tic.A.Ş.Kuruluşudur.



**TYPE APPROVAL TEST REPORT**

REPORT NO: D020-1148

**TYRE SPECIFICATION**

|                      |                                                            |                       |             |
|----------------------|------------------------------------------------------------|-----------------------|-------------|
| Manufacturer Name    | : PETLAS TIRE INDUSTRY AND TRADE CO                        | Speed Category Symbol | : J         |
| Manufacturer Address | : KINDAM MAH. ANKARA KAYSERİ CAD. NO:2/1 KIRŞEHİR / TURKEY | Additional Load/Speed | : N/A       |
| Brand                | : PETLAS                                                   | Category of Use       | : SNOW      |
| Pattern Name         | : SU500                                                    | TT/TL                 | : TL        |
| Product Code         | : 71801                                                    | Date of Manufacture   | : 1420      |
| Size Designation     | : 275/70 R22,5                                             | Barcode Number        | : 55566553  |
| Load Capacity Index  | : 150/148                                                  | Approval Number       | : E8 002917 |

**TEST AND EQUIPMENT SPECIFICATION**

|                                   |                                                                                                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Tyre Receiving Date          | : 5.5.2020                                                                                                                                                                  |
| Test Date                         | : 8.5.2020-10.5.2020                                                                                                                                                        |
| Reference Regulation              | : UNECE Regulation 54.00                                                                                                                                                    |
| Petlas Test Code                  | : 5500                                                                                                                                                                      |
| The Tests Conducted               | : 1 - Marking Control <input checked="" type="checkbox"/> 2 - Dimensions Measurement <input checked="" type="checkbox"/> 3 - Load/Speed <input checked="" type="checkbox"/> |
| Test Machine Name (Drum Diameter) | : ASM/4-2 (1.707 m)                                                                                                                                                         |
| Pressure Gauge Calibration No     | : 2049075                                                                                                                                                                   |
| Caliper Calibration No            | : 2047459                                                                                                                                                                   |
| Tape Measure Calibration No       | : 2047455                                                                                                                                                                   |
| Test Rim                          | : 8.25JX22.5-T3                                                                                                                                                             |
| Test Technician                   | : A.Ş. - F.Ö.                                                                                                                                                               |

**CUSTOMER INFORMATION**

|         |                        |
|---------|------------------------|
| Name    | : Same as Manufacturer |
| Address | : Same as Manufacturer |

**TYRE VISUAL INSPECTION RESULT BEFORE TEST**

Tyre was inspected and any evidence of failure was not detected.

Controlled by;

AYHAN UMUCU  
Tyre Test Engineer  
11.05.2020



Page 1 of 2

Approved by;

EKREM TURNA  
Tyre Test and Homologation Engineer  
12.05.2020

Petlas Secret Technical Information The document contains classified information. It must be kept in only Petlas and stored in a safe place. The test result in this report is only used for the tested tyre size which is specified in the report header. This test report shall not be reproduced other than in full except with the permission of Petlas.

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



NUMBER: 317-F-046-00

23



## TYPE APPROVAL TEST REPORT

REPORT NO: D020-1148

### TEST 1 - MARKING CONTROL

|                                                       |                                         |                             |                                         |
|-------------------------------------------------------|-----------------------------------------|-----------------------------|-----------------------------------------|
| Trade name or Mark                                    | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| Commercial/Pattern Name Marking                       | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| Tyre Size Designation Marking                         | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| Tyre Structure Marking                                | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| Speed Category Symbol Marking                         | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| Load Capacity Index Marking                           | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| "FRT"                                                 | YES <input type="checkbox"/>            | NO <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| "Regroovable"                                         | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| "M+S" marking in case of "Snow" or "Special Use" tire | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| "POR" or "ET" marking in case of Special Use Tire     | YES <input type="checkbox"/>            | NO <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| "TUBELESS" marking in case of without inner tube use  | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| Date of Manufacture                                   | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |
| Approval Number Marking                               | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | N/A <input type="checkbox"/>            |

**RESULT:** The tire markings are fulfill the reference regulation requirements.

### TEST 2 - DIMENSIONS MEASUREMENT

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Conditioning                    | : 24 hours at 25 ± 5 °C                         |
| Inflation Pressure (kPa)        | : 900                                           |
| Overall Width Measurements (mm) | : 281,7 / 282,3 / 281,9 / 281,4 / 282,1 / 281,1 |
| Maximum Circumference (mm)      | : 3037                                          |

| PARAMETERS                  | LIMIT VALUES (mm) | MEASURED VALUES (mm) |
|-----------------------------|-------------------|----------------------|
| Nominal Overall Width-S     | 276,0             | 282,3                |
| Maximum Overall Width-Smax  | 287,0             |                      |
| Nominal Outer Diameter-D    | 958,0             | 966,7                |
| Minimum Outer Diameter-Dmin | 946,0             |                      |
| Maximum Outer Diameter-Dmax | 983,0             |                      |

**RESULT:** The dimensions are fulfill the reference regulation requirements.

### TEST 3 - LOAD / SPEED TEST

|                          |                        |
|--------------------------|------------------------|
| Conditioning             | : 3 hours at 25 ± 5 °C |
| Inflation Pressure (kPa) | : 900                  |

| Test Procedure                            |              |                 |                |                   |         | Dimensional Measurements            |         |
|-------------------------------------------|--------------|-----------------|----------------|-------------------|---------|-------------------------------------|---------|
| Date/Time                                 | Test Step No | Duration (hour) | Test Load (kg) | Test Speed (km/h) | Control |                                     |         |
| 13.3.2020 16:55                           | 0            | 0               | 0              | 0                 | A.S.    | Overall Diameter Before Test (mm)   | : 966,7 |
|                                           | 1            | 7               | 2211           | 48                |         |                                     |         |
|                                           | 2            | 16              | 2814           | 48                |         |                                     |         |
| 15.3.2020 15:55                           | 3            | 24              | 3384           | 48                | F.O.    | Overall Diameter 6h After Test (mm) | : 971,2 |
| Inflation Pressure After Test (kPa) : 915 |              |                 |                |                   |         | Diameter difference after Test (%)  | : 0,46  |

**RESULT:** Tire completed the load/speed test without any failure.

**FINAL RESULT:** THE TYRE PASSED ALL TESTS ACCORDING TO THE REFERENCE REGULATION

**PASSED**

Controlled by;

AYHAN UMUCU  
Tyre Test Engineer  
11.05.2020

*[Signature]*



Approved by;

EKREM TURNA  
Tyre Test and Homologation Engineer  
12.05.2020

*[Signature]*