



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

**E8\*54R00/23\*2890\*00**

Zlín 08<sup>th</sup> January 2021

**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 :

**385/55R22.5 PETLAS NZ300 160K (158L)**

with the approval number : **E8\*54R00/23\*2890\*00**  
date of inspection : **08<sup>th</sup> January 2021**

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~~APPROVAL WITHDRAWN~~  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\*2890\*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>NZ300</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 adress 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>385/55R22.5</b>  |
| 4.2.   | Kategorie užití<br>Category of use  | : | <b>normální / zimní / speciální /<br/>normal / snow / special / <u>1/</u></b>   |
| 4.3.   | Konstrukce<br>Structure   | : | <b>diagonální / radiální /<br/>diagonal / radial / <u>1/</u></b>  |
| 4.4.   | Třída pneumatiky<br>Tyre class  | : | <b>C2 / C3 <u>1/</u></b>  |
| 4.5.   | Kategorie rychlosti<br>Speed category symbol  | : |   |
| 4.5.1. | Nominální<br>Nominal  | : | <b>K</b>  |
| 4.5.2. | Doplňková (je-li potřebné)<br>Additional (if applicable)  | : | <b>L</b>  |



- 4.6. Indexy nosnosti  
Load capacity index
- 4.6.1. Odpovídající nominální rychlosti : v jednomontáži 160 ve dvojmontáži -  
Corresponding to nominal speed : single twinned (dual)
- 4.6.2. Odpovídající doplňkové rychlosti : v jednomontáži 158 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 : 29.12.2020  
Date of report issued by that service : 29.12.2020
7. Číslo protokolu, vydaného touto zkušebnou : D020-2925  
Number of report issued by that service : D020-2934
8. Důvod pro rozšíření (je-li potřebné) :  
Reason (s) of extension (if applicable) : -
9. Poznámky :  
Any remarks : -
10. Místo : Praha  
Place :
11. Datum : 08.01.2021  
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



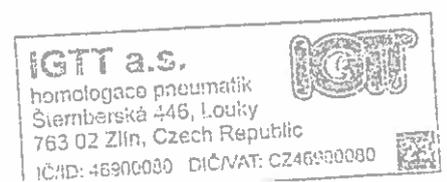
1/ Nehodící se škrtněte  
Delete that which does not apply

E8 002890

## APPLICATION FOR APPROVAL ECE No. 54

4.1.1	Tyre-size designation	: 385/55 R22,5	
4.1.2	The manufacturer's name	: PETLAS TIRE INDUSTRY AND TRADE COMPANY	
4.1.2.1	The Brand name(s)/trademark(s)	: PETLAS	
4.1.2.2	The trade description(s)/commercial name(s)	: NZ300	
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	: K	
4.1.6	The load-capacity indexes	: 160	
4.1.7	Tube type / Tubeless	: TUBELESS	
4.1.8	Overall section width,	386	mm
	Outer diameter	996	mm
4.1.9	Factor X	: 0.80	
4.1.10	The rims on which the tyre can be mounted	: 11.75; 12.25	inch
4.1.11	The measuring rim and test rim	: 12.25	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	: 158 L	

*Handwritten signature*







**TYPE APPROVAL TEST REPORT**

REPORT NO: D020-2925

**TYRE SPECIFICATION**

Manufacturer Name	: PETLAS TIRE INDUSTRY AND TRADE CO.	Speed Category Symbol	: K
Manufacturer Address	: KINDAM MAH.ANKARA KAYSERI CAD. NO 2/1 KIRŞEHİR / TURKEY	Additional Load/Speed	: 158 L
Brand	: PETLAS	Category of Use	: SNOW
Pattern Name	: NZ300	TT/TL	: TL
Product Code	: 72400	Date of Manufacture	: 4920
Size Designation	: 385/55 R22 5	Barcode Number	: 59146352
Load Capacity Index	: 160	Approval Number	: E8 002890

**TEST AND EQUIPMENT SPECIFICATION**

Test Tyre Receiving Date	: 11.12.2020
Test Date	: 13.12.2020 - 15.12.2020
Reference Regulation	: UNECE Regulation 54
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-3 (1.707 m)
Pressure Gauge Calibration No	: 2049075
Caliper Calibration No	: 2047459
Tape Measure Calibration No	: 2047455
Test Rim	: 12.25X22 5
Test Technician	: F.Ş. - A.G.

**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  
18.12.2020



Approved by:

EKREM TURNA  
Tyre Testing Laboratory Team Leader  
29.12.2020





**TYPE APPROVAL TEST REPORT**

REPORT NO: D020-2925

**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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	N/A <input 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)	: 379,9 / 379,6 / 379,6 / 379,2 / 379,7 / 379,9
Maximum Circumference (mm)	: 3133

PARAMETERS	LIMIT VALUES (mm)	MEASURED VALUES (mm)
Nominal Overall Width-S	386,0	379,9
Maximum Overall Width-Smax	401,0	
Nominal Outer Diameter-D	996,0	997,3
Minimum Outer Diameter-Dmin	983,0	
Maximum Outer Diameter-Dmax	1023,0	

**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		
13.12.2020 11:01	0	0	0	0	F.Ş.	Overall Diameter Before Test (mm)	: 997,3
	1	7	2970	56			
	2	16	3780	56			
15.12.2020 10:01	3	24	4545	56	A.G.	Overall Diameter 6h After Test (mm)	: 998,5
						Diameter difference after Test (%)	: 0,13

Inflation Pressure After Test (kPa) : 910

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

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



Controlled by;

AYHAN UMUCU  
Tyre Test Engineer  
16.12.2020



Approved by;

EKREM TURNA  
Tyre Testing Laboratory Team Leader  
29.12.2020



**TYPE APPROVAL TEST REPORT**

REPORT NO: D020-2934

**TYRE SPECIFICATION**

Manufacturer Name	: PETLAS TIRE INDUSTRY AND TRADE CO	Speed Category Symbol	: K
Manufacturer Address	: KINDAM MAH.ANKARA KAYSERI CAD NO 2/1 KIRSEHIR / TURKEY	Additional Load/Speed	: 158 L
Brand	: PETLAS	Category of Use	: SNOW
Pattern Name	: NZ300	TT/TL	: TL
Product Code	: 72400	Date of Manufacture	: 4920
Size Designation	: 385/55 R22 5	Barcode Number	: 59146359
Load Capacity Index	: 160	Approval Number	: E8 002890

**TEST AND EQUIPMENT SPECIFICATION**

Test Tyre Receiving Date	: 11.12.2020
Test Date	: 17.12.2020 - 19.12.2020
Reference Regulation	: UNECE Regulation 54
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/4-4 (1.707 m)
Pressure Gauge Calibration No	: 2049075
Calliper Calibration No	: 2047459
Tape Measure Calibration No	: 2047455
Test Rim	: 12 25X22 5
Test Technician	: F.O.

**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  
21.12.2020



Page 1 of 2

Approved by:

EKREM TURNA  
Tyre Testing Laboratory Team Leader  
29.12.2020





**TYPE APPROVAL TEST REPORT**

REPORT NO: D020-2934

**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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	N/A <input 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)	: 378,4 / 378,4 / 377,9 / 378,7 / 378,5 / 378,3
Maximum Circumference (mm)	: 3137

PARAMETERS	LIMIT VALUES (mm)	MEASURED VALUES (mm)
Nominal Overall Width-S	386,0	378,7
Maximum Overall Width-Smax	401,0	
Nominal Outer Diameter-D	996,0	998,5
Minimum Outer Diameter-Dmin	983,0	
Maximum Outer Diameter-Dmax	1023,0	

**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

Date/Time	Test Step No	Test Procedure				Control	Dimensional Measurements	
		Duration (hour)	Test Load (kg)	Test Speed (km/h)				
17.12.2020 22:03	0	0	0	0	F.O.	Overall Diameter Before Test (mm)	: 998,5	
	1	7	2805	64				
	2	16	3570	64				
19.12.2020 21:03	3	24	4293	64	F.O.	Overall Diameter 6h After Test (mm)	: 998,9	

Inflation Pressure After Test (kPa)	: 910	Diameter difference after Test (%)	: 0,03
-------------------------------------	-------	------------------------------------	--------

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

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



Controlled by:

AYHAN UMUCU  
Tyre Test Engineer  
16.12.2020



Approved by:

EKREM TURNA  
Tyre Testing Laboratory Team Leader  
29.12.2020