

# THE NETHERLANDS (N E D E R L A N D)





#### **COMMUNICATION**

#### Concerning (1):

- approval granted
- approval extended
- approval refused
- approval withdrawn
- production definitely discontinued

of a type of tyre for motor vehicles pursuant to Regulation number 54.

## Approval number: E4\*54R00/24\*38047\*07

1. Manufacturer's name and adress : LLIT (THAILAND) CO., LTD.

911/9Moo 5, Khaokhansong, Sriracha, Chonburi

20110, Thailand

2. Tyre type designation (2)

2.1. Brand name(s)/trademark(s) : LINGLONG; SHANLING; LEAO; Infinity;

BARKLEY; ZEETEX; GREEN MAX;

CROSSWIND; TECHKING; BENCHMARK; ORNET; AUFINE; MAXELL; ANEMOI;

**HUBTRAC** 

2.2. Trade description (s)/Commercial

name(s)/ : KMA403; KMD403; TZ-15 EXTRA; ZOM4

EXTRA; BL621; BL826; KMA400; BL225; CWA40K; GRO868; TASK AM; KMD400; BL835; CWD40K; TASK DM; KMD400+; KMD406; BL826+; OT121; ADM2; MRY2;

MIXED G15; MIXED D11

3. If applicable, name and address of the

manufacturer's representative : Not applicable

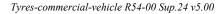
4. Summarized description:

4.1. Tyre-size designation : 315/80R22.5

Type-approval Department

P.O. Box 777 2700 AT Zoetermeer The Netherlands Tel. + 31 79 345 83 02 E-mail typeapproval@rdw.nl

www.rdw.nl



## Approval number: E4\*54R00/24\*38047\*07

4.2. Category of use : normal/snow/special (1)

4.3. Structure : diagonal (bias-ply)/radial (1)

4.4. Tyre class : <del>C2</del>/C3 <sup>(1)</sup>

4.5. Speed category symbol:

4.5.1. nominal : K

4.5.2. additional (if applicable) : ---

4.6. Load-capacity indices:

4.6.1. Corresponding to nominal speed:

- single : 156 - twinned (dual) : 150

4.6.2. Corresponding to additional speed:

- single : --

- twinned (dual) : ---

5. Technical service and, where

applicable, test laboratory approved for purposes of approval or of verification

of conformity

IDIADA Automotive Technology, S.A.

L'Albornar, P.O. Box 20

43710 Santa Oliva (Tarragona)

: Spain

6. Date of report issued by that service : March 30, 2018

July 26, 2018 December 16, 2018 February 26, 2019 June20, 2019 July 21, 2020

February 14, 2022

7. Number of report issued by that service: CN18030471

CN18070531 CN18120812 CN19020455 CN19060442 CN20070615 CN22020220

8. Reason(s) for extension (if applicable) : Upgrade of regulation supplement number

9. Any remarks



## Approval number: E4\*54R00/24\*38047\*07

10. Place : Zoetermeer

11. Date : 21 February 2022

12. Signature



- 13. Annexed to this communication is a list of documents in the approval file deposited at the administrative service having delivered the approval and which can be obtained upon request.
  - Application form relating to ECE approval for a pneumatic tyre pursuant to Regulation number 54.
  - The drawing of the tyre's sidewalls, tread and dimensioned cross-section.
  - The test report as mentioned in item 7.

<sup>(1)</sup> Strike out what does not apply.

<sup>(2)</sup> A list of brand name(s)/trademark(s) or Trade description(s)/ Commercial name(s) may be annexed to this communication.



TECHNICAL DOCUMENTATION

## APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE ACCORDING TO ECE REGULATION $N_0$ . 54, 00 SERIES OF AMENDMENTS

54, 00 SE	CRIES OF AMENDMENTS
Reason of extension: modify the mold	
1. Manufacturer's name and address	LLIT (THAILAND) Co.,Ltd.
	911/9 Moo 5, Khaokhansong
	Sriracha, Chonburi 20110
	Thailand
2. Tyre type designation	
2.1 Brand-name(s)/trademark(s)	:LINGLONG; SHANLING; LEAO; Infinity; BARKLEY; ZEETEX; CROSSWIND; GREEN MAX; BENCHMARK; ORN TECHKING; AUFINE; MAXELL; ANEMOI; HUBTRAC
2.2Trade description(s)/Commercial name(s)	:KMA403; KMD403; TZ-15 EXTRA; ZOM4 EXTRA; BL621; BL826; KMA400; BL225; CWA40K; GRO868; TASK AM; KMD400; BL835; CWD40K; TASK DM; KMD400+; KMD40 BL826+; OT121; ADM2; MRY2; MIXED G15; MIXED D11
3. If applicable, name and address of	BEO201, OTT21, ADM2, WIK12, WIAED 013, WIAED 011
manufacturer's representative	not applicable
4. Summarised description,	
4.1. Tyre size designation	: 315/80R22.5
4.2. Category of use	normal/special/snow
4.3. Structure	diagonal (bias-ply)/radial
4.4. Speed category symbol	
4.4.1. Nominal	:K
4.4.2. Additional (if applicable)	not applicable
4.5. Load capacity indices	
4.5.1. corresponding to nominal speed	: single:156, twinned(dual):150
4.5.2. corresponding to additional speed	: single: , twinned(dual):
5. Overall dimensions	
overall section width	313
outer diameter	1077
6. Factor 'x'	0.75
7. Ply-rating number for diagonal (bias-ply) tyres	Not applicable
8. Rims on which the tyre can be mounted	:9.75
9. Measuring rim and test rim	9.00
10. Tyre class	<del>C2</del> / C3
11. State whether the tyre is	tubeless / tube type
12. State if special use tyre	(A)
Professional Off-Road	: <del>Yes/</del> no
Tread depth	
Void to fill ratio	

We herewith declare that we have not applied and will not apply for approval with another Contracting Party of the ECE for the same type of product.

MANUFACTURER'S STAMP	Signature	: 1	
	P243451423415	31.18	
	Name:	Ma Xiaogang	

#### THIS APPLICATION IS ACCOMPANIED BY:

- Application form, relating to ECE approval for pneumatic tyre pursuant Regulation No.54
- A drawing of the tyre's side wall, tread and dimensioned cross section.
- The test report.

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Check by: 本村

TYRE SIZE

LOAD INDEX 156/150

SPEED

TYPE

A (mm) 1076

B (mm) 312

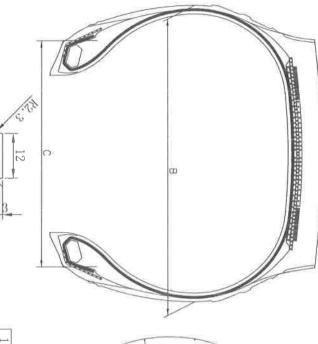
C(mm) 228. 5 LOWER MOLD

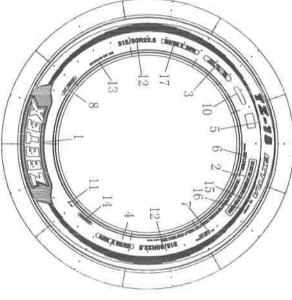
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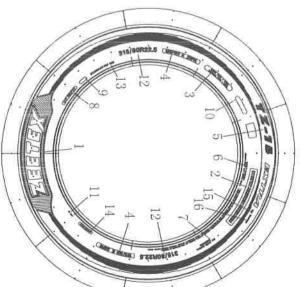
1076	TL	K	156/150	315/80R22.5	w		
HWO.1			UPER MOLD				
		HE LEFT	THE TABLE I ON T	PLEASE SEE 1			
PSI) COLD	50 kPa (123	5 LBS) AT 8	1L 3350 kg (738)	MAX. LOAD DUA	1		
PSI) COLD	50 kPa (123	0 LBS) AT 8	MAX. LOAD SINGLE 4000 kg (8820 LBS) AT 850 kPa (123 PSI) COLD	MAX. LOAD SIN	9		
			IES 1 STEEL	SIDEWALL PLIES 1 STEEL			0.5
			4 STEEL	TREAD PLIES 4 STEEL	در	12-15 EXIKA	LEE IEA
			JKPa ZUPK	Tob/ Tour Soukea 20PK	4	אמתיים א	ODDADA
		HE LEFT	PLEASE SEE THE TABLE 1 ON THE LEFT	PLEASE SEE 1	5	TREAD PATTERN NAME	BRAND NAME
				WARNING	6		TABLE 1
			THE STEEL NATION TOBELESS	UTT STEED W	-		

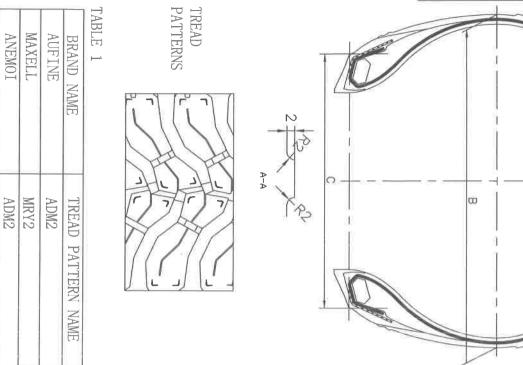
12			
3	17	156/150K 850kPa	
2.	16	TRACTION	
P.	15	M+S	
A-A	14	MADE IN THAILAND	
	i.i	STANDARD RIM 9.00	
	12	315/80R22. 5	
	11	**** (MOLD NUMBER)	
	10	(E4) 0038047	
	9		**** (PRODUCTION DATE)
	$\infty$	DOT	
	7	ALL STEER RADIAL TUBELESS	
	6	WARNING.	
TREAD PATTERN NAME	ຶ່ນ	PLEASE SEE THE TABLE I ON THE LEFT	
	4	156/150K 850kPa 20PR	
12-15 EXIRA	در	TREAD PLIES 4 STEEL	
	c	SIDEWALL PLIES 1 STEEL	

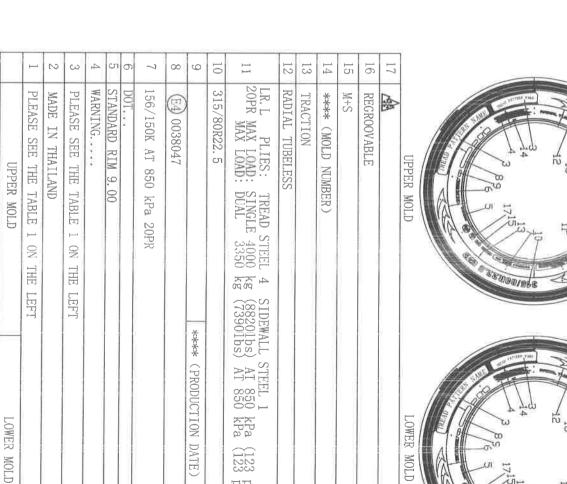
TREAD PATTERNS











C(mm)	B (mm)	A (mm)	TYPE	SYMBOL	LOAD INDEX	TYRE SIZE
228. 5	312	1076	TL	K	156/150	315/80R22.5



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\*\*\*\* (PRODUCTION DATE)

psi) psi)

COLD COLD

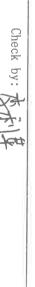
_		1
AUFINE	BRAND	
(1)	NAME	

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TYPE I

A (mm) 1076

B (mm) 312

C(mm) 228. . ഗ

156/150

UPPER MOLD

OWER MOLD





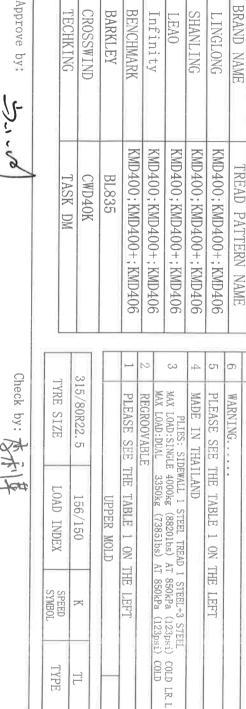
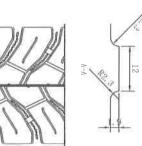






TABLE 1



12

RIM 9.00

13

20PR 156/150K AT

123 PS BRAND TYRE HERE

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157 16

(E4) 0038047

N+S

18

TRACTION

10

\*\*\*\* (MOLD NUMBER)

315/80R22.5 156/150K AT

123 PSI

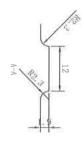
\*\*\*\* (PRODUCTION DATE)

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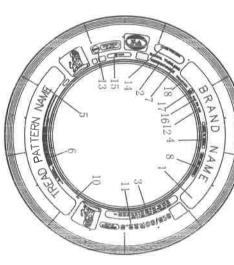
DOT ...

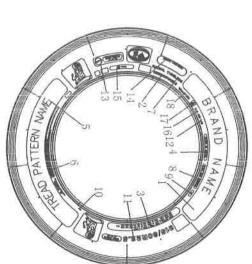
RADIAL TUBELESS

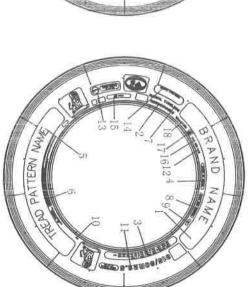
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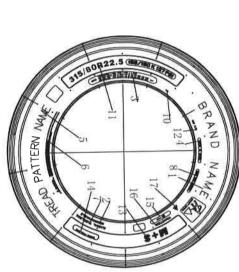


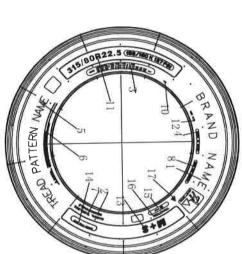


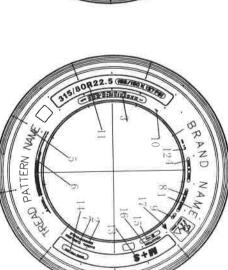
315/80R22.5 TYRE SIZE LOAD INDEX 156/150 SPEED SYMBOL TYPE П Draft by: アハンを A (mm) 97.01 B (mm) 216

> 228.5

		UPPER MOLD LOWER MOLD	
	17	<u>A</u>	
V	16	TRACTION	
,	15	(E) 0038047	
-	14	BRAND TYRE HERE	1
	13	M+S	
9_	12	RIM 9.00	
1.2	=	315/80R22. 5 156/150K 123 PSI	
	10	**** (MOLD NUMBER)	1
	9	**** (PRODUCTION DATE)	
]]6[[	$\infty$	DOT	
	7	RADIAL TUBELESS	Ш
][	6	WARNING	
	5	PLEASE SEE THE TABLE 1 ON THE LEFT	
	4	MADE IN THAILAND	
ATTERN NAME BL826+	ω	PLIES: SIDEWALL I STEEL TREAD I STEEL+3 STEEL  20PR MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123 psi) COLD LR.L  MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (123 psi) COLD	
	2	REGROOVABLE	
	1	PLEASE SEE THE TABLE 1 ON THE LEFT	
		UPPER MOLD LOWER MOLD	
		915/90D99 5 156/150 K TI 1076 312	







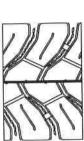
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TABLE 1
BRAND NA



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BL826; BL83	BARKLEY
TREAD PATTER	BRAND NAME
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315/80R22.5 TYRE SIZE

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SPEED SYMBOL

LOAD INDEX 156/150

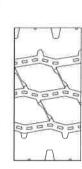
TYPE

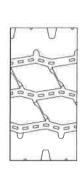
A (mm) 1076

B(mm) 312

( mm) 228. 5

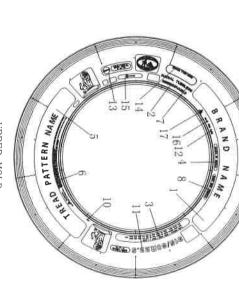
TABLE 1 BRAND NAME CROSSWIND TECHKING BENCHMARK LEA0 SHANLING Infinity LINGLONG GREEN MAX BARKLEY TREAD PATTERN NAME GR0868 CWA40K KMA400 BL225 KMA400 TASK AM KMA400 KMA400 KMA400





TREAD PATTERNS

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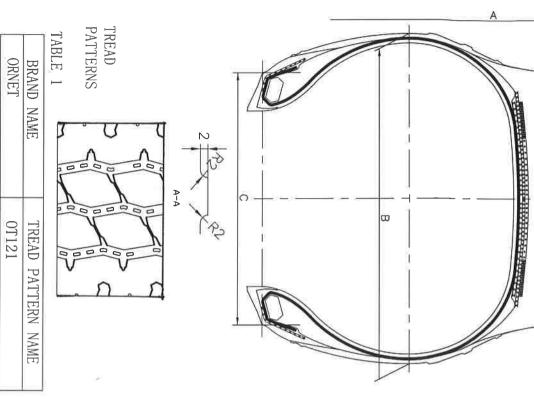
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	AREAD PATTERN MAI		8	PNO

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UPPER MOLD
MOLD

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UPPER MOLD	PLEASE SEE THE TABLE 1 ON THE LEFT	REGROOVABLE	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL  MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123psi) COLD LR. L  MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (123psi) COLD	MADE IN THAILAND	PLEASE SEE THE TABLE 1 ON THE LEFT	WARNING	RADIAL TUBELESS	DOT		**** (MOLD NUMBER)	315/80R22.5 156/150K AT 123 PSI	RIM 9.00	20PR 156/150K AT 123 PSI	BRAND TYRE HERE	(E4) 0038047	M+S	
LOWER MOLD			JD LR. L JD						**** (PRODUCTION DATE)								

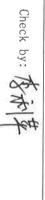


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TREAD PATTERNS TABLE 1 BRAND ORNET	A
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NAME	

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UPPER MOLD	PLEASE SEE THE TABLE 1 ON THE LEFT	MADE IN THAILAND	PLEASE SEE THE TABLE 1 ON THE LEFT	WARNING	RIM 9. 00	DOT	156/150K AT 850 kPa	(E4) 0038047	**** (PI	315/80R22. 5	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD:SINGLE 4000 kg (8820 lbs) AT 850 kPa MAX LOAD:DUAL 3350 kg (7385 lbs) AT 850 kPa	RADIAL TUBELESS	20PR 156/150K AT 850 kPa	**** (MOLD NUMBER)	M+S	REGROOVABLE		UPPER MOLD
LOWER MOLD									**** (PRODUCTION DATE)		TEEL   kPa (123 psi) COLD LR.L   kPa (123 psi) COLD							LOWER MOLD

C(mm)	B (mm)	A (mm)	TYPE	SYMBOL	LOAD INDEX	TYRE SIZE
				- Constant		
228. 5	312	1076	TL	L (S)	$156/150 \left(\frac{154}{150}\right)$	315/80R22.5
					)	



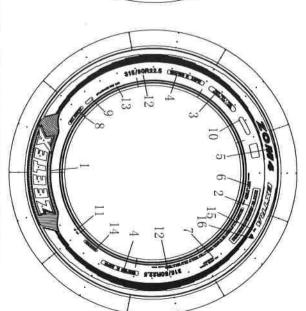


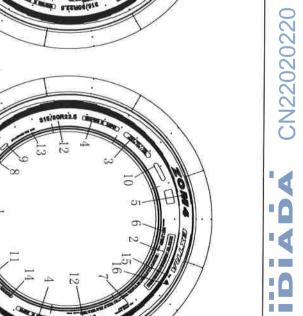
Check by: 杏木本

Approve by:

TABLE 1		010	PLEASE SEE	PLEASE SEE THE TABLE 1 ON THE	HE LEFT		
BRAND NAME	TREAD PATTERN NAME	4	156/150K 850kPa 20PR	OkPa 20PR			
ZEETEX	ZOM4 EXTRA	ω	SIDEWALL PLIES 1 STEEL	IES 1 STEEL			
III		2	MAX. LOAD SI	MAX. LOAD SINGLE 4000 kg (8820 I MAX. LOAD DUAL 3350 kg (7385 I	0 LBS) AT 850 kPa (123 PSI) 5 LBS) AT 850 kPa (123 PSI)	50 kPa (1 50 kPa (1	23 PSI) COLD 23 PSI) COLD
		-	PLEASE SEE	PLEASE SEE THE TABLE 1 ON THE	HE LEFT		
				UPER MOLD			
		ω	315/80R22.5	156/150	K	TL	1076
		·	TYRE SIZE	LOAD INDEX	SPEED	TYPE	A (mm)

ZEETEX	BRAND NAME	IABLE 1					PATTERNS	TREAD						· i	/	Ó					7			*	
ZOM4 EXTRA	TREAD PATTERN NAME			リーベジ	ノジン	しにから	ノイジニー	し	A-st	-	2	× 3	12		1						c	D .			
3 SIDEWALL PLIES 1 STEEL	4 156/150K 850kPa 20PR	5 PLEASE SEE THE TABLE 1 ON THE LEFT	6 WARNING	8 DOT		10 (E4) 0038047	11 **** (MOLD NUMBER)	12 315/80R22. 5	14   MADE IN THAILAND	15 M+S	16	17   156/150K 850kPa						2 114	13	4	12	5 de	3 16	10 5 6 2 15	
					**** (PRODUCTION DATE)														31	5/80/	<b>R22</b>	i ii 4	3	10 5 6	





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SPEED SYMBOL  $\overline{\phantom{a}}$ 

B (mm) 312

228. 5 C(mm)

LOWER MOLD

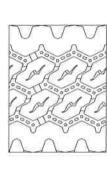
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by:	
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<i>&gt;</i>	

75.01. h	TYRE SIZE
-	LOAD INDEX
	SPEED SYMBOL







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10 11

\*\*\*\* (MOLD NUMBER)

315/80R22.5 156/150K AT 123

PSI

\*\*\*\* (PRODUCTION DATE)

9

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DOT ...

5 6

> WARNING.... RADIAL TUBELESS

PLEASE SEE THE TABLE 1 ON THE LEFT

MADE IN THAILAND

PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL

20PR MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123PSI) COLD LR. L

MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (123PSI) COLD

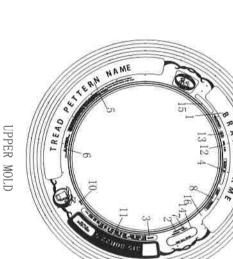
PLEASE SEE THE TABLE 1 ON THE LEFT

UPPER MOLD

LOWER MOLD

REGROOVABLE

TREAD **PATTERNS** 



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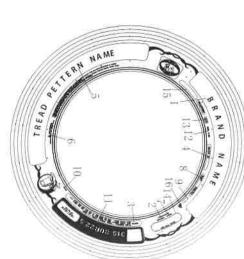
5	(E4) 0038047
14	BRAND TYRE HERE
13	M+S
5	RIM Q OO













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LOAD INDEX 156/150

TYPE  $\prod$ 

A (mm) 1076

B(mm) 312

228.5 (mm)

CN22020220 IDIADA

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315/80R22. TYRE SIZE

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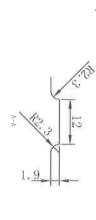
BE	In	LH	SH	LI	BR/
BENCHMARK	Infinity	LEA0	SHANLING	LINGLONG	BRAND NAME
KMD403	KMD403	KMD403	KMD403	KMD403	TREAD PATTERN NAME





TREAD PATTERNS

TABLE 1

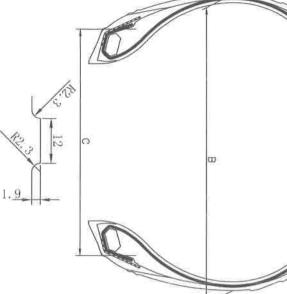


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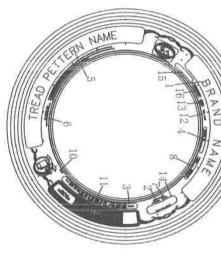
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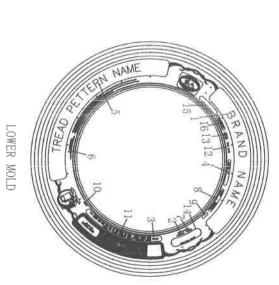
16



UPPER MOLD

ZERN NA	AME CONTRACTOR
TREAD P	BRAND NA
E.	

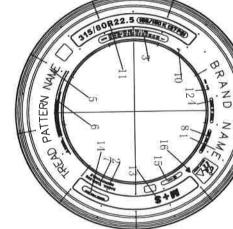


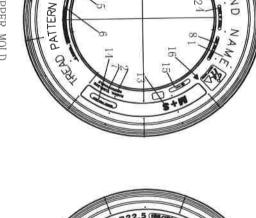


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TYRE SIZE	315/80R22.5			PLEASE SEE THE	REGROOVABLE	PLIES: SIDEWA 20PR MAX LOAD:SING MAX LOAD:DUAL	MADE IN THAILAND	PLEASE SEE	WARNING	RADIAL TUBELESS	DOT LEAST		**** (MOLD NUMBER)	315/80R22.5	RIM 9.00	M+S	BRAND TYRE HERE	(E4) 0038047	TRACTION
LOAD INDEX	156/150		UPPER MOLD	THE TABLE 1 ON THE LEFT		LL 1 STEE! LE 4000kg 3350kg	ILAND	PLEASE SEE THE TABLE 1 ON THE LEFT		LESS			NUMBER)	156/150K AT 123			HERE		
SPEED SYMBOL	K			HE LEFT		TREAD 1 (88201bs) (73851bs)		HE LEFT						PSI					
TYPE	TL					STEEL+3 STEEL AT 850kPa (1 ) AT 850kPa (1						***							
A (mm)	1076	TO HEAVE	LOWER MOLD			NT 850kPa (123PSI) COLD LR. L AT 850kPa (123PSI) COLD LR. L						**** (PRODUCTION DATE)							
B (mm)	312	MOLD	VIOL D			LR. L						DATE)							20
C(mm)	228. 5																		

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UPPER
MOLD

LOWER MOLD

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	13	M+S				111
9.	12	RIM 9.00				1
		315/80R22.5 156/150K AT 123 PSI				11
>-> >->	10	**** (MOLD NUMBER)				11
11/1/11	9		***	**** (PRODUCTION DATE)	DATE)	111
	$\infty$	DOT				111
	7	RADIAL TUBELESS				
	6	WARNING				10
	ဘ	PLEASE SEE THE TABLE 1 ON THE LEFT				10.1
TREAD PATTERN NAME	4	MADE IN THAILAND				11
BL621	ω	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL 20PR MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (1 MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (1	STEEL kPa (12 kPa (12	L (123PSI) COLD LR. I (123PSI) COLD	R. 1	
	2	REGROOVABLE				11
	_	PLEASE SEE THE TABLE 1 ON THE LEFT				1.1
		UPPER MOLD		LOWER MOLD	IOLD	1.1
		315/80R22.5 156/150 K	TL	1076	312	

TREAD PATTERNS

TABLE 1
BRAND NAME

BARKLEY

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Check by:

TYRE SIZE

LOAD INDEX

SPEED SYMBOL

TYPE

A(mm)

B (mm)

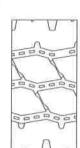
( mm) 228.5

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	ľ							
GREEN MAX	TECHKING	CROSSWIND	BARKLEY	BENCHMARK	Infinity	LEA0	SHANLING	LINGLONG
GR0868	TASK AM	CWA40K	BL225	KMA400	KMA400	KMA400	KMA400	KMA400



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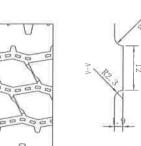
12 13

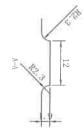
TREAD PATTERNS

TABLE 1

BRAND NAME LINGLONG

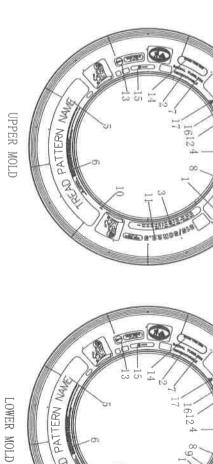
TREAD PATTERN NAME

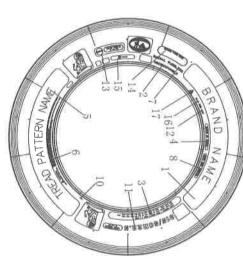




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BRAND NAME BRAND NAME 15 16124 89 11 11 11 11 11 11 11 11 11 1
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TYRE SIZE	315/80R22. 5			PLEASE SEE	REGROOVABLE	PLIES: SII MAX LOAD:SINGL MAX LOAD:DUAL	MADE IN THAILAND	PLEASE SEE	WARNING	RADIAL TUBELESS	DOT		**** (MOLD NUMBER)	315/80R22.5	RIM 9.00	20PR 156/150K AT	BRAND TYRE HERE	(E4) 0038047	N+S	A
LOAD INDEX	156/150	OI I DIV MODD	IIPPER MOI D	PLEASE SEE THE TABLE 1 ON THE LEFT		PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123psi) COLD LR.L MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (123psi) COLD	ILAND	PLEASE SEE THE TABLE 1 ON THE LEFT		LESS			NUMBER)	315/80R22.5 156/150K AT 123 PSI		OK AT 123 PSI	HERE			
SYMBOL	K			HE LEFT		1 STEEL+4 STEEL T 850kPa (123psi) T 850kPa (123psi)		HE LEFT						PSI						
TYPE	TL					L Si) COLD Si) COLD														
						LR. L						***								
A (mm)	1076	LOWER MOLD	N DEMOI									**** (PRODUCTION DATE)								
B (mm)	312	NOLD	IOI D									DATE)								
C (mm)	228. 5																			

Check by:

Approve by: 5:3

315/80R22.5 TYRE SIZE

Draft by:

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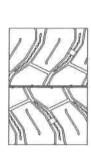
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TYRE SIZE		315/80R22 5			PLEASE SEE	REGROOVABLE	MAX LOAD: DUAL	MAX LOAD:SINGLE	PLIES: SID
LOAD INDEX	100/ 100	156/150		UPPER MOLD	PLEASE SEE THE TABLE 1 ON THE LEFT		MAX LOAD: DUAL 3350kg (73851bs) AT 850kPa (123psi) COLD	MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123psi) COLD LR.L	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL
SYMBOL	CDEED	X			THE LEFT		AT 850kPa (123psi	AT 850kPa (123psi	D 1 STEEL+4 STEEL
TYPE	11	TH					) COLD	) COLD LR. L	





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\*\*\*\* (MOLD NUMBER)

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DOT ...

MADE IN THAILAND

PLEASE SEE THE TABLE 1

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WARNING.... RADIAL TUBELESS 12

RIM 9.00

20PR 156/150K AT

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BRAND TYRE HERE

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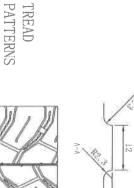
315/80R22.5 156/150K AT

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PSI

\*\*\*\* (PRODUCTION DATE)

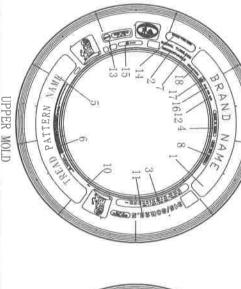
TREAD

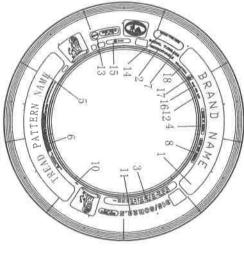


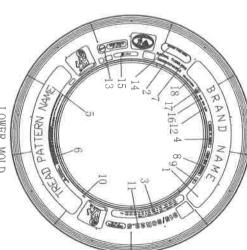


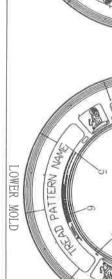
N+S

TRACTION









A (mm) 1076

B (mm) 312

228. 5 C(mm)

LOWER MOLD

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Draft by: 30th

TYRE SIZE	315/80R22.5	
LOAD INDEX	156/150	
SPEED SYMBOL	K	
TYPE	TL	
A (mm)	1076	
B (mm)	312	
C (mm	228.	

B (mm)	A (mm)	TYPE	SPEED SYMBOL	LOAD INDEX	TYRE SIZE	
312	1076	TL	K	156/150	315/80R22.5	
						1

	L.		-	2	ယ	4	ഗ	6	7	$\infty$	9	10	<u></u>	12	13	14	15	16	17
TYRE SIZE	315/80R22.5		PLEASE SEE THE	REGROOVABLE	PLIES: SII MAX LOAD:SINGLI MAX LOAD:DUAL	MADE IN THAILAND	PLEASE SEE	WARNING	RADIAL TUBELESS	DOT		**** (MOLD NUMBER)	315/80R22.5	RIM 9.00	156/150K AT 850 kPa	BRAND TYRE HERE	(E4) 0038047	M+S	<b>№</b>
LOAD INDEX	156/150	UPPER MOLD	TABLE 1 ON		PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123psi) MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (123psi)	ILAND	THE TABLE 1 ON 1		LESS			NUMBER)			850 kPa	HERE			
SPEED SYMBOL	K		THE LEFT		1 STEEL+3 STEE T 850kPa (123ps T 850kPa (123ps		THE LEFT												
TYPE	TI				II si) COLD LR.L si) COLD														
(I)					LR. L						***								
A (mm)	1076	LOWER MOLD									**** (PRODUCTION DATE)								
B (mm)	312	MOLD									DATE)								
C(m	228.																		

TABLE 1

TREAD PATTERNS

BRAND NAME

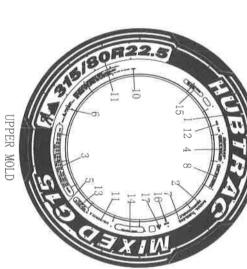
HUBTRAC

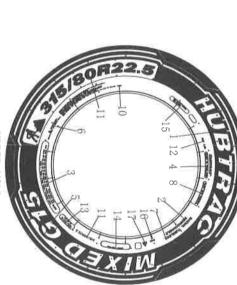
MIXED G15

TREAD PATTERN NAME



LOWER MOLD





Check by:

Draft by: 30th

TYRE SIZE	315/80R22.5	
LOAD INDEX	156/150	
SPEED SYMBOL	K	
TYPE	TL	
A (mm)	1076	
B (mm)	312	
C(mm)	228. 5	



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**REGROOVABLE** 

PLEASE SEE THE TABLE 1 ON THE LEFT

UPPER MOLD

LOWER MOLD

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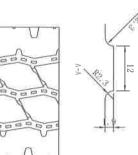
MADE IN THAILAND

PLEASE SEE THE TABLE 1 ON THE LEFT

WARNING.... RADIAL TUBELESS

PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL
MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123psi) COLD LR.L
MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (123psi) COLD





TREAD

**PATTERNS** 

10

\*\*\*\* (MOLD NUMBER)

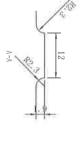
315/80R22.5

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\*\*\*\* (PRODUCTION DATE)

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DOT ...



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BRAND TYRE HERE

156/150K AT 850 kPa

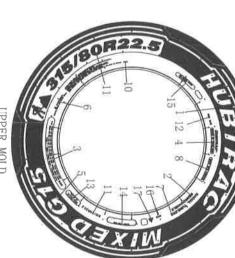
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Draft by: 多世清

TYRE SIZE	315/80R22.5	
LOAD INDEX	156/150	
SPEED SYMBOL	K	
TYPE	TL	
A (mm)	1076	
B (mm)	312	

LOWER MOLD

228. 5 C(mm)

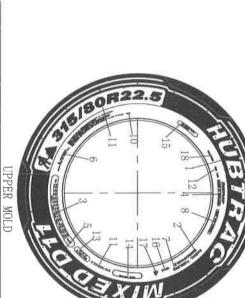
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	ω			<b></b> 4	2		ယ	4
TYRE SIZE	315/80R22.5			PLEASE SEE	REGROOVABLE	MAX LOAD: DUAL	PLIES: SID MAX LOAD:SINGLE	MADE IN THAILAND
LOAD INDEX	156/150		UPPER MOLD	PLEASE SEE THE TABLE 1 ON THE LEFT		MAX LOAD: DUAL 3350kg (73851bs) AT 850kPa (123psi) COLD	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123psi) COLD LR.L	ILAND
SPEED SYMBOL	K			HE LEFT		[ 850kPa (123psi	1 STEEL+3 STEEL 850kPa (123psi	
TYPE	TL					COLD	) COLD LR. L	

	MIXED D11	INDAD PALLERN NAME	האואו ואמפתראת תאפת							A-A			1 12		0	
	4	Οī	6	7	000	9	10	11	12	13	14	15	16	17	18	
DITEC: CIDEMAIL 1 CTEEL TREAD 1 CTEEL TO CTEEL	MADE IN THAILAND	PLEASE SEE THE TABLE 1 ON THE LEFT	WARNING	RADIAL TUBELESS	DOT		**** (MOLD NUMBER)	315/80R22.5	RIM 9.00	156/150K AT 850 kPa	BRAND TYRE HERE	(E4) 0038047	M+S		TRACTION	UPPER MOLD
						**** (PRODUCTION DATE)										LOWER MOLD

TABLE 1

BRAND NAME HUBTRAC

TREAD PATTERNS





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Draft by: 34th

C(mm) 228. 5

TYRE SIZE	315/80R22.5	
LOAD INDEX	156/150	
SPEED SYMBOL	K	
TYPE	TL	
A (mm)	1076	
B (mm)	312	

LOWER MOLD

			_			ř
		HUBTRAC		BRAND NAME		
		MIXED D11		IREAU PALIERN NAME	ממדות הותחתה הוויות	
,	ω	4	0	דכ	C	מ
	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL MAX LOAD:SINGLE 4000kg (88201bs) AT 850kPa (123psi) COLD LR.L MAX LOAD:DUAL 3350kg (73851bs) AT 850kPa (123psi) COLD	MADE IN THAILAND	THE PERSON AND THE PERSON IN THE PERSON IN	PIFASE SEE THE TARIE 1 ON THE LEFT	TAMENTALING	WARNING

2

**REGROOVABLE** 

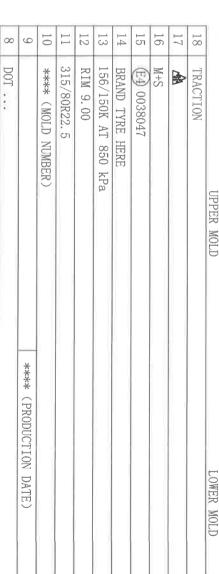
PLEASE SEE THE TABLE 1 ON THE LEFT

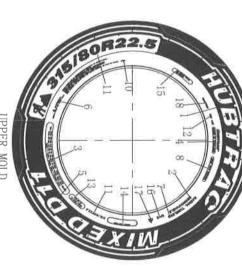


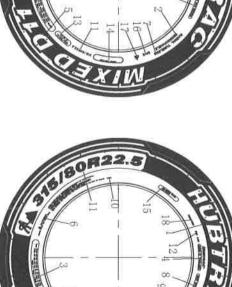
TABLE 1

RADIAL TUBELESS

	ME TREAD PATTERN NAME	TREAD PATTERNS BLE 1 BRAND NAME HUBTRAC
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IDIADA CN2202020







China Office: Headquarters:

Jucheng Pioneer Park, Building 23 3999 Xiu Pu Rd, Nan Hui Pudong District

201315 Shanghai - China

Tel. +86 (21) 6210 0894 Tel. +34 977 166000 Fax +86 (21) 5208 0556 Fax +34 977 166007 e-mail: idiada\_china@idiada.com e-mail: idiada@idiada.com

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L'Albornar - P.O.Box 20

Spain

E - 43710 Santa Oliva (Tarragona)

#### REPORT No. CN22020220

APPROVAL OF PNEUMATIC TYRES FOR COMMERCIAL VEHICLES AND THEIR TRAILERS REFERRING TO UN REGULATION NO. 54R00/24

Approval number : E4\*54R00/24\*38047\*07

Applicant : LLIT (THAILAND) CO., LTD.

911/9 Moo 5, Khaokhansong, Sriracha, Chonburi 20110,

Thailand

Manufacturer : LLIT (THAILAND) CO., LTD.

911/9 Moo 5, Khaokhansong, Sriracha, Chonburi 20110,

Thailand

Brand-name(s)/trademark(s) : LINGLONG; SHANLING; LEAO; Infinity; BARKLEY;

ZEETEX; GREEN MAX; CROSSWIND; TECHKING; BENCHMARK; ORNET; AUFINE; MAXELL; ANEMOI;

**HUBTRAC** 

Trade description(s)/Commercial name(s) : KMA403; KMD403; TZ-15 EXTRA; ZOM4 EXTRA; BL621;

BL826; KMA400; BL225; CWA40K; GRO868; TASK AM; KMD400; BL835; CWD40K; TASK DM; KMD400+; KMD406; BL826+; OT121; ADM2; MRY2; MIXED G15;

MIXED D11

Tyre size designation : 315/80R22.5

Place and date of test report issue : L'Albornar, Santa Oliva (Tarragona)

14/02/2022

CONCLUSIONS: Modification introduced to the tyre, as detailed in the annex to this report, grant grounds for approval extension with respect to formerly certified tyre-type, and FULFILS the specifications relating to the approval of pneumatic tyres for motor vehicles according to Supplement 24 to the original version of the UN Regulation NO.54

Performed by

Nan(Crystal) Yu HOMOLOGATION ENGINEER

Revised by:

Josep Masip Gomez DEPARTMENT MANAGER

<sup>\*</sup> THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

<sup>\*</sup> THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN



#### ANNEX TO THE REPORT

#### Reason(s) for extension:

- Upgrade of regulation supplement number
- The test result of tyreconstruction variant 1: PLIES: SIDEWALL 1 STEEL TREAD 1STEEL+3STEEL is referred to the test report CT054-A0-170024 issued on the date of September 02, 2017 by TUV NORD Mobilitat GmbH & Co.KG is valid and unnecessary to perform re-testing

The test result of tyre construction variant 2: PLIES: SIDEWALL 1 STEEL TREAD 1STEEL+4STEELas follows:

#### 1. TECHNICAL DESCRIPTION OF THE PNEUMATIC TYRE:

Brand-name(s)/trademark(s) : LINGLONG

Trade description(s)/Commercial name(s) : KMD406

Tyre-size designation : 315/80R22.5

Category of use : normal / snow /-special

Structure : diagonal / bias-belted / radial

Speed category index : nominal : K

additional :

Load-capacity index : nominal: single : 156

twinned: 150

additional: single : ---

twinned: ---

X of the manufacturer / : 0.75

Tyre cross-section : See technical documentation

#### 2. TYRE MARKING

#### 2.1. Compulsory Marking

Approval mark

Approval mark Height a > 12 mm : Yes

Tyre definition marking height

Tyre size b > 6 mm : Yes

Load and speed index b > 6 mm : Yes

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#### 2.2. Additional Marking

"M+S" / "M.S" / "M&S" : M+S

"TUBELESS" : Yes

Index of inflation pressure : 850 kPa

Ply rating : N.A.

"ET" / "ML" / "MPT" / "POR" : N.A.

"REGROOVABLE" : Yes

Date of manufacture : 0520

Height of these marking c > 4 mm : Yes

3. TEST RESULTS.

Sample Reception date : 09/06/2020

Place and test dates : 11/06/2020-13/06/2020

LINGLONG Testing Center (Zhaoyuan, China)

Sample Id. : CN20070615

Measure rim code :  $9.0 \times 22.5$ "

Test rim Code :  $9.0 \times 22.5$ "

3.1. Pneumatic tyre measurement

Mounting pressure in measuring rim : P(1m) = 8.5 bar

Conditioning temperature : Temp. = 26.5 °C

Adjusted pressure before conditioning : P(2m) = 8.5 bar

Readjusted pressure after 24 hours : P(3m) = 8.5 bar

<sup>\*</sup> THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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#### 3.1.1. Tyre width measurement:

Measures of overall width at six equally-spaced points:

Point	Overall width (mm)	
1	312.7	
2	312.8	
3	312.6	
4	313.0	
5	312.7	
6	312.6	
Point	Maximum width (mm)	
4	313.0	

### 3.1.2. Tyre section width calculation:

S = 312 (mm) given by Annex 5/Calculation

Or

$$S = S_1 + K(A-A1)$$

Nominal seccion width (mm)	315
K coefficient	0.4
Measuring rim Width (mm)	228.6
X of the manufacturer	0.75
Theoretical rim Width (mm)	236.25

Maximum measured width (mm)	Section width (mm)	Difference (%)
$S_{M} = 313.0$	S = 312	0.32

The overall width of a tyre may be less than the section or exceed the value by the following percentages: 8% structure diagonal; 4 % structure radial. For section with exceed 305mm shall not exceed the value by the following percentages: 4% structure diagonal; 2 % structure radial of nominal aspect higher than 60.

FULFILS / DOES NOT FULFIL

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#### 3.1.3. Outer diameter measurement

Maximum circumference (mm)	Outer diameter (mm) $Di  \textit{ext} = \frac{L}{\pi}$
3384	1077.2

## 3.1.4. Tyre outer diameter calculation:

$$D = d + 2H$$

Conventional number of the nominal rim(mm)	d = 572 mm
Nominal section width (mm)	S1= 315 mm
Nominal aspect ratio	Ra= 80
Factor a	0.97
Factor b	Radial:1.04 (Normal), 1.06(Special) Diagonal:1.08 (Normal), 1.09(Special)
Nominal section height (mm)	H = 252 mm

Dmin	Out of Provided Difference D	Dmax	
$D_{min} = d + 2(H \times a)$	Outer diameter D (measured)	$D_{max} = d + 2(H \times b)$	
1060 mm	1077.2 mm	1106 mm	
Dmin < D < Dmax			

FULFILS / DOES NOT FULFIL

<sup>\*</sup> THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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## 3.2 Load/speed performance test

## 3.2.1 For tyres with speed category symbol Q and above:

#### **Test Conditions**

Speed category	N.A.
Load capacity index	N.A.
Maximum velocity (km/h)	N.A.
Test axle load (kg)	N.A.
Maximum speed during the test (km/h)	N.A.
Load of axle during the test (kg)	N.A.
Inflation tyre pressure before conditioning(kpa)	N.A.
Conditioning time wheel-tyre assembly(hour)	N.A.
Readjusted tyre pressure after conditioning (kpa)	N.A.
Test wheel diameter (m)	N.A.
Temperature (°C)	N.A.

## Test cycle

Step	Duration (min)	Speed (km/h)
1	N.A.	N.A.
2	N.A.	N.A.
3	N.A.	N.A.
4	N.A.	N.A.
TOTAL	N.A.	

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## 3.2.2 Tyres with speed category symbol P and below:

#### **Test Conditions**

Speed category	K
Load capacity index	156
Maximum velocity (km/h)	110
Test drum speed during the test (km/h)	56
Load of axle during the test (kg) (100%)	4000
Inflation tyre pressure before conditioning(kpa)	850
Conditioning time wheel-tyre assembly(hour)	3
Readjusted tyre pressure after conditioning (kpa)	850
Test wheel diameter (m)	1.7
Temperature (°C)	28

## Test cycle

Step	Duration (h)	Load (kg)	
1	7	66%	2640
2	16	84%	3360
3	24	101%	4040
TOTAL	47		

## 3.2.3 Tyre measurement

Outer diameter measurement at the start of test	1077.2 mm
Outer diameter measurement at the end of test	1078.7 mm
Percentage of the change in outer diameter measurement (%)	0.15

<sup>\*</sup> THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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## 3.3. Test results

3.3.1. The outer diameter of the tyre, measured six hours after the load/speed endurance test, must not differ by more than  $\pm$  3.5% from the outer diameter as measured before the test.

FULFILS / DOES NOT FULFIL

3.3.2. Once passed the load/speed endurance test, the tyre must not exhibit any tread separation, ply separation, cord separation, chunking or broken cords.

FULFILS / DOES NOT FULFIL

Test Place : LINGLONG Testing Center (Zhaoyuan, China)

Test Date : 11/06/2020-13/06/2020

Nan(Crystal) Yu HOMOLOGATION ENGINEER

THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE

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