

**THE NETHERLANDS  
(N E D E R L A N D)****COMMUNICATION**Concerning <sup>(1)</sup>:

- ~~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- ~~approval withdrawn~~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 address : LLIT (THAILAND) CO., LTD.  
911/9Moo 5, Khaokhansong, Sriracha, Chonburi  
20110, Thailand
2. Tyre type designation <sup>(2)</sup> :
- 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



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

- 4.2. Category of use : ~~normal~~/snow/~~special~~<sup>(1)</sup>
- 4.3. Structure : ~~diagonal (bias-ply)~~/radial<sup>(1)</sup>
- 4.4. Tyre class : ~~E2~~/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  
June 20, 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 :



**R. R. van der Spek**

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.

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<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

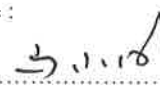
**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE ACCORDING TO ECE REGULATION No. 54, 00 SERIES OF AMENDMENTS**

**Reason of extension: modify the mold**

- |   |   |
|---|---|
| 1. Manufacturer's name and address                                  | : LLIT (THAILAND) Co.,Ltd.<br>911/9 Moo 5, Khaokhansong<br>Sriracha, Chonburi 20110<br>Thailand   |
| 2. Tyre type designation  |   |
| 2.1 Brand-name(s)/trademark(s)                                      | : LINGLONG; SHANLING; LEAO; Infinity; BARKLEY; ZEETEX; CROSSWIND; GREEN MAX; BENCHMARK; ORNET; TECHKING; 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 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  | E2 / C3   |
| 11. State whether the tyre is                                       | tubeless / tube type  |
| 12. State if special use tyre                                       | :   |
| Professional Off-Road   | : Yes/no  |
| Tread depth   |   |
| Void to fill ratio  |   |

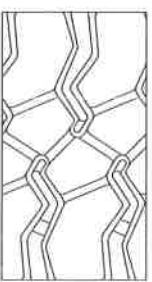
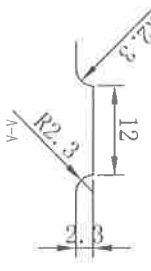
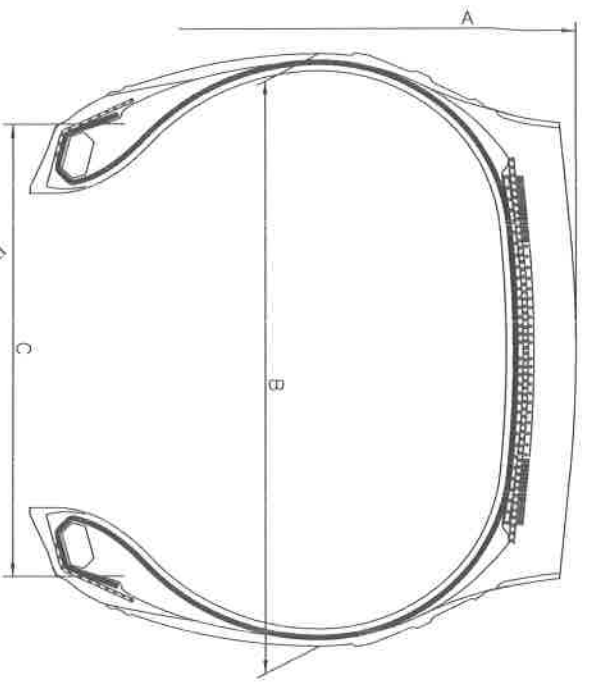
We herewith declare that we have not applied and will not apply for approval with another Contracting Party of the ECE for the same type of product.

MANUFACTURER'S STAMP

Signature :   
Name: Ma Xiaogang

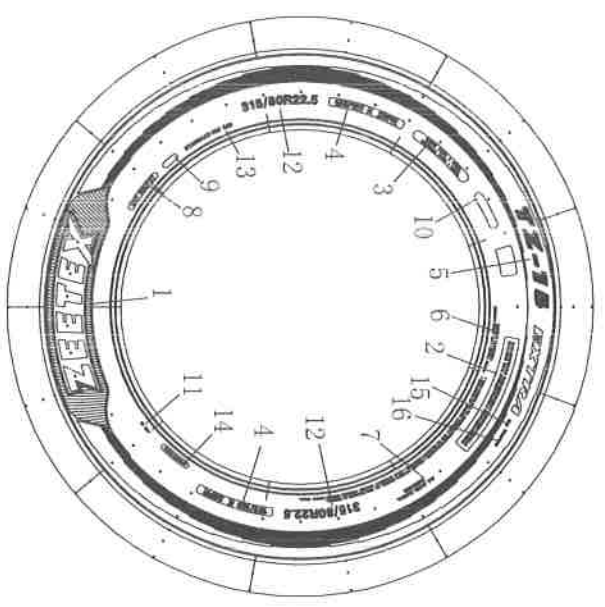
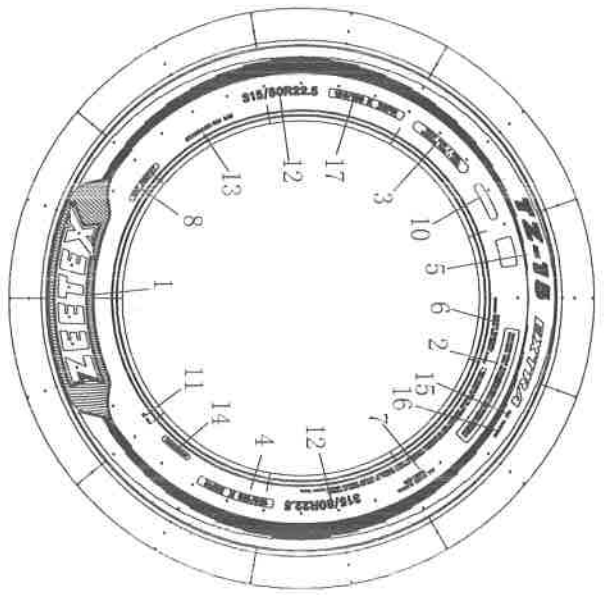
**THIS APPLICATION IS ACCOMPANIED BY:**

- 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.



TREAD PATTERNS

TABLE 1	
BRAND NAME	TREAD PATTERN NAME
ZEETEX	TZ-15 EXTRA



17	156/150K 850kPa				
16	TRACTION				
15	M+S				
14	MADE IN THAILAND				
13	STANDARD RIM 9.00				
12	315/80R22.5				
11	**** (MOLD NUMBER)				
10	E4 0038047				
9					**** (PRODUCTION DATE)
8	DOT ...				
7	ALL STEER RADIAL TUBELESS				
6	WARNING....				
5	PLEASE SEE THE TABLE 1 ON THE LEFT				
4	156/150K 850kPa 20PR				
3	TREAD PLIES 4 STEEL SIDEWALL PLIES 1 STEEL				
2	MAX. LOAD SINGLE 4000 KG (8820 LBS) AT 850 kPa (123 PSI) COLD MAX. LOAD DUAL 3350 KG (7385 LBS) AT 850 kPa (123 PSI) COLD				
1	PLEASE SEE THE TABLE 1 ON THE LEFT				
	UPPER MOLD				LOWER MOLD

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

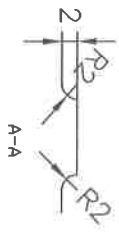
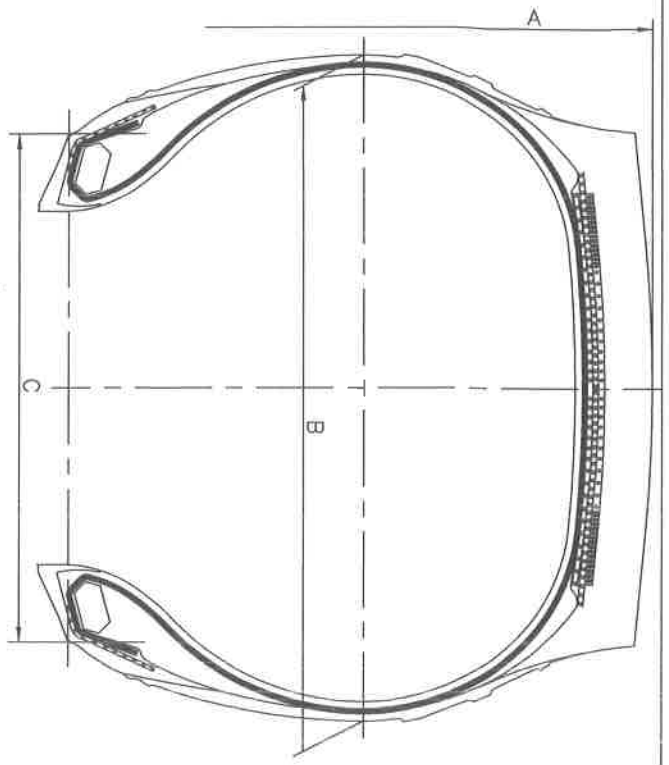
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TREAD PATTERNS

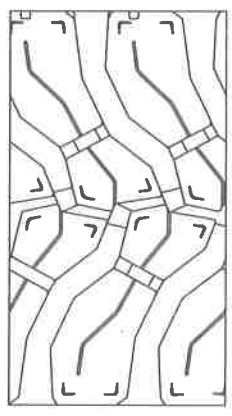
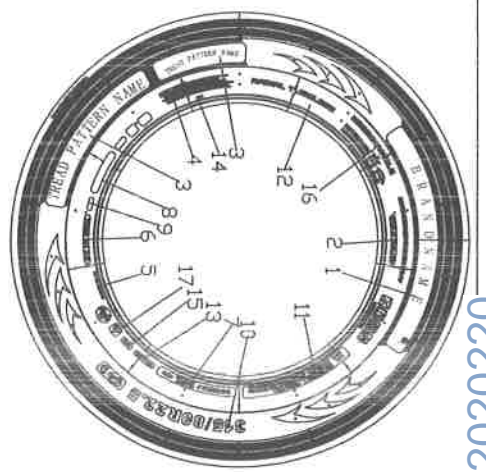
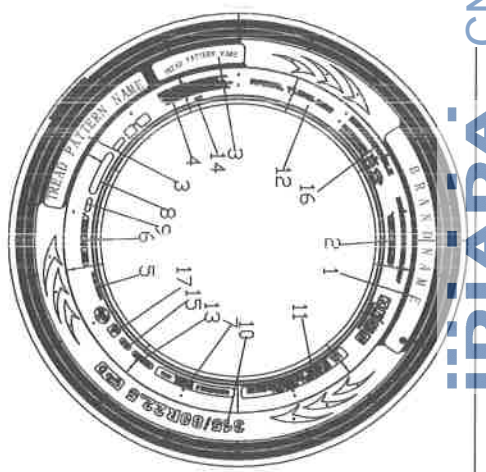


TABLE 1

BRAND NAME	TREAD PATTERN NAME
AUFLINE	ADM2
MAXWELL	MRY2
ANEMOI	ADM2



UPPER MOLD



LOWER MOLD

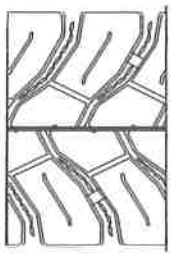
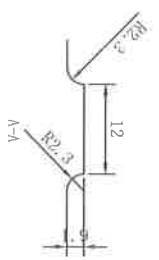
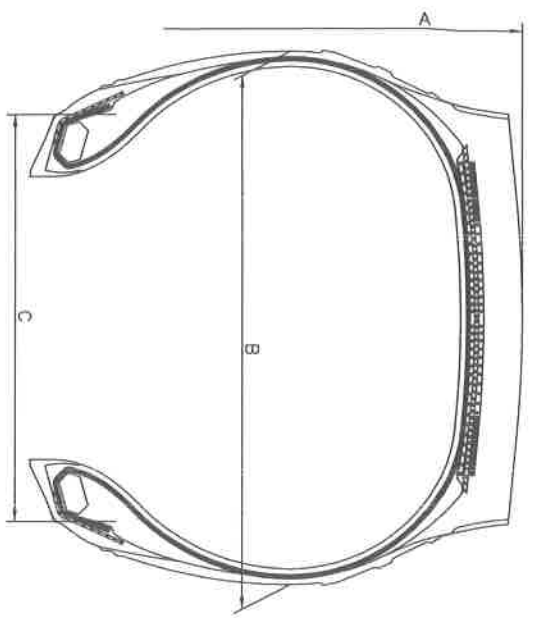
17						
16	REGROOVABLE					
15	M+S					
14	**** (MOLD NUMBER)					
13	TRACTION					
12	RADIAL TUBELESS					
11	LR L PILES: TREAD STEEL 4 SIDEWALL STEEL 1 20PR MAX LOAD: SINGLE 4000 kg (8820lbs) AT 850 kPa (123 psi) COLD MAX LOAD: DUAL 3350 kg (7390lbs) AT 850 kPa (123 psi) COLD					
10	315/80R22.5					
9					**** (PRODUCTION DATE)	
8	0038047					
7	156/150K AT 850 kPa 20PR					
6	DOT...					
5	STANDARD RIM 9.00					
4	WARNING.....					
3	PLEASE SEE THE TABLE 1 ON THE LEFT					
2	MADE IN THAILAND					
1	PLEASE SEE THE TABLE 1 ON THE LEFT					
	UPPER MOLD					LOWER MOLD

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

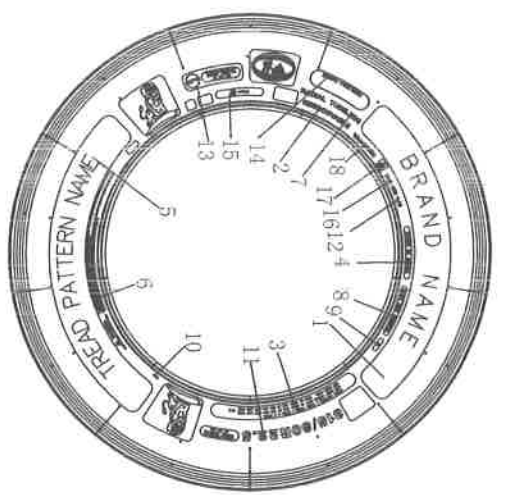
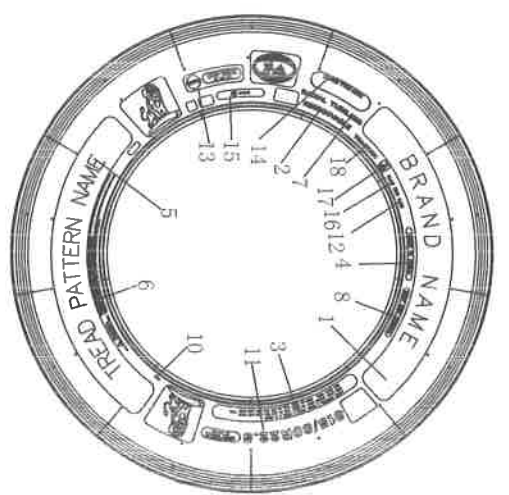
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TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
LINGLONG	KMD400;KMD400+;KMD406
SHANLING	KMD400;KMD400+;KMD406
LEAO	KMD400;KMD400+;KMD406
Infinity	KMD400;KMD400+;KMD406
BENCHMARK	KMD400;KMD400+;KMD406
BARBLEY	BL835
CROSSWIND	CWD40K
TECHKING	TASK DM



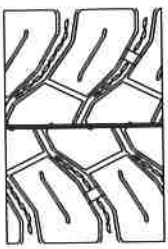
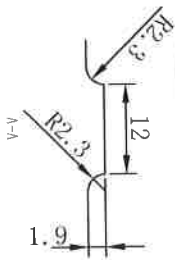
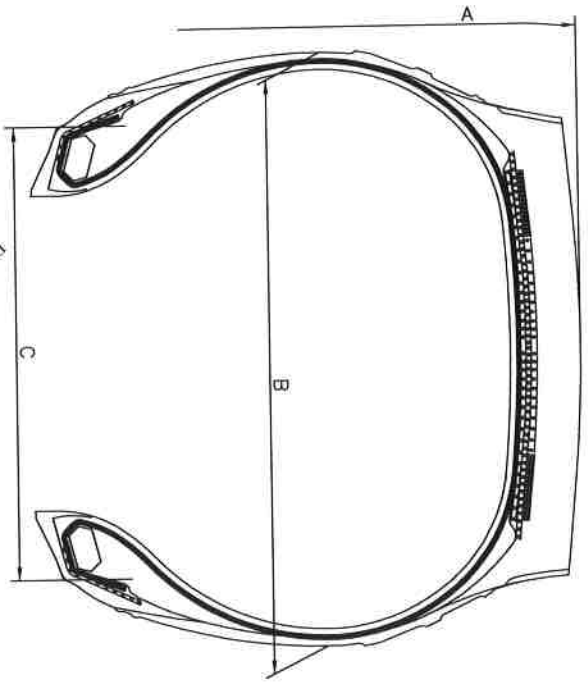
18	TRACTION						
17	<b>A</b>						
16	M+S						
15	<b>E4</b> 0038047						
14	BRAND TYRE HERE						
13	20PR 156/150K AT 123 PSI						
12	RIM 9.00						
11	315/80R22.5 156/150K AT 123 PSI						
10	**** (MOLD NUMBER)						
9				**** (PRODUCTION DATE)			
8	DOT ...						
7	RADIAL TUBELESS						
6	WARNING.....						
5	PLEASE SEE THE TABLE 1 ON THE LEFT						
4	MADE IN THAILAND						
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR. L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD						
2	REGROOVABLE						
1	PLEASE SEE THE TABLE 1 ON THE LEFT	UPPER MOLD		LOWER MOLD			
	315/80R22.5	156/150	K	TL	1076	312	228.5
	TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

Draft by:

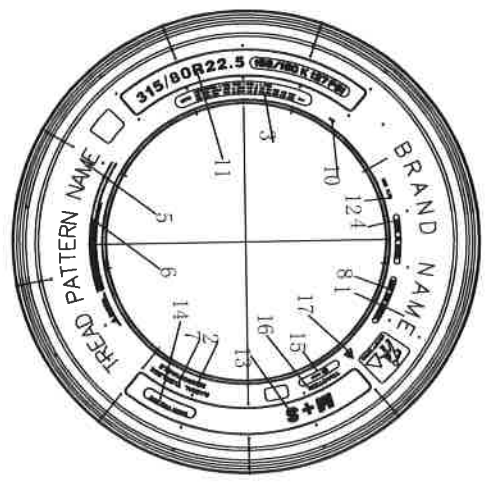




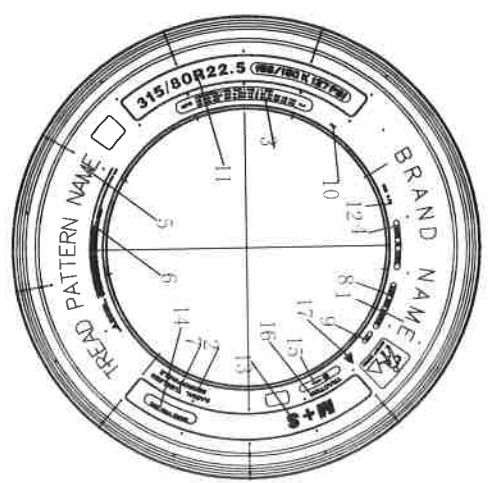
TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
BARKLEY	BL826; BL826+



UPPER MOLD



LOWER MOLD

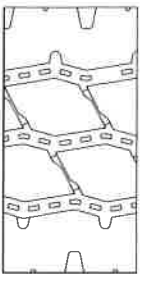
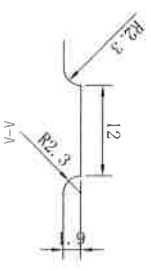
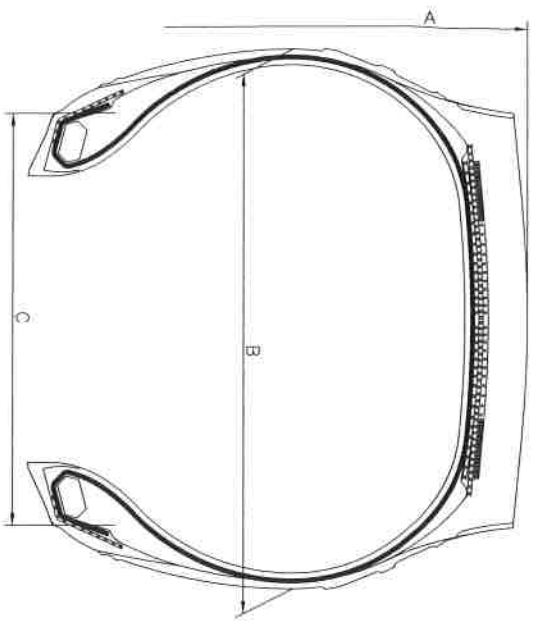
17	<b>A</b>						
16	TRACTION						
15	<b>E4</b> 0038047						
14	BRAND TYRE HERE						
13	M+S						
12	RTM 9.00						
11	315/80R22.5 156/150K 123 PSI						
10	**** (MOLD NUMBER)						
9						**** (PRODUCTION DATE)	
8	DOT ...						
7	RADIAL TUBELESS						
6	WARNING.....						
5	PLEASE SEE THE TABLE 1 ON THE LEFT						
4	MADE IN THAILAND						
3	PLIES: SIDWALL 1 STEEL TREAD 1 STEEL+3 STEEL. 20PR MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123 psi) COLD I.R. 1. MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123 psi) COLD						
2	REGROOVABLE						
1	PLEASE SEE THE TABLE 1 ON THE LEFT						
	UPPER MOLD					LOWER MOLD	

TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)
315/80R22.5	156/150	K	TL	1076	312	228.5

Approve by: *[Signature]*

Check by: *[Signature]*

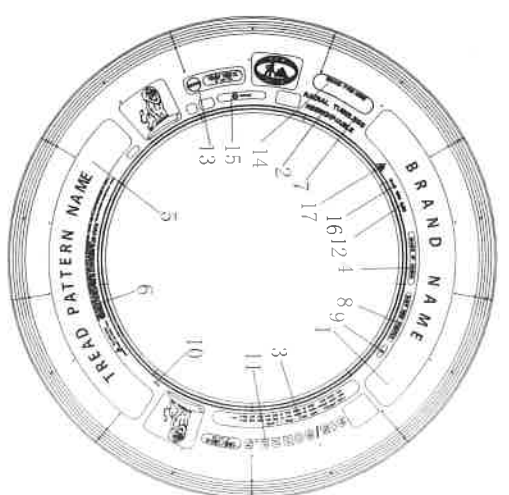
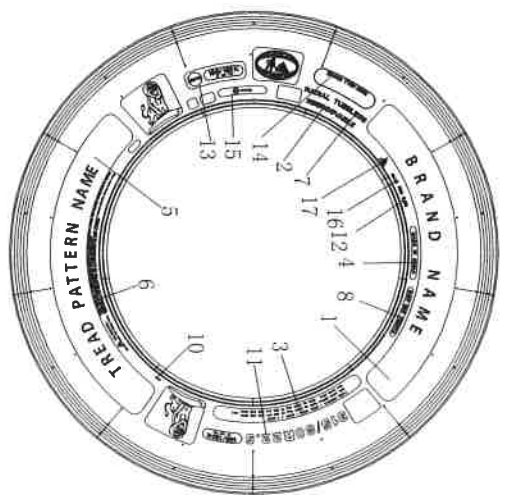
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TREAD PATTERNS

TABLE 1

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



17	<b>A</b>						
16	M+S						
15	E4 0038047						
14	BRAND TYRE HERE						
13	20PR 156/150K AT 123 PSI						
12	RIM 9.00						
11	315/80R22.5 156/150K AT 123 PSI						
10	**** (MOLD NUMBER)						
9					**** (PRODUCTION DATE)		
8	DOT ...						
7	RADIAL TUBELESS						
6	WARNING.....						
5	PLEASE SEE THE TABLE 1 ON THE LEFT						
4	MADE IN THAILAND						
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL. MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR.L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD						
2	REGROOVABLE						
1	PLEASE SEE THE TABLE 1 ON THE LEFT						
	UPPER MOLD						
					LOWER MOLD		
	315/80R22.5	156/150	K	TL	1076	312	228.5
	TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

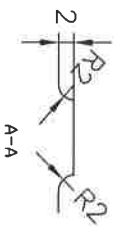
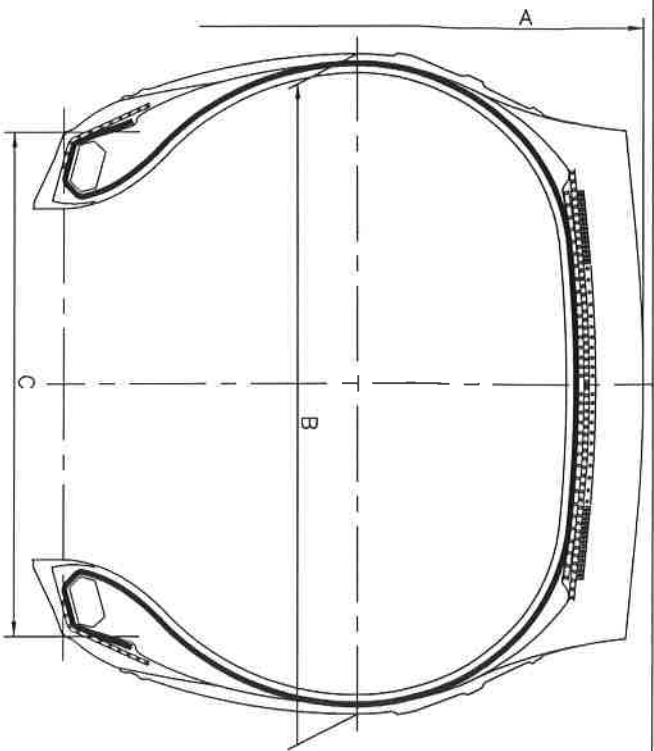
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TREAD PATTERNS

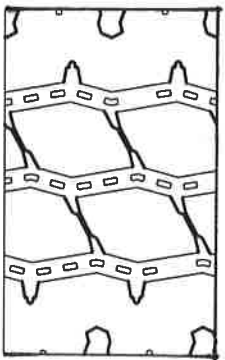
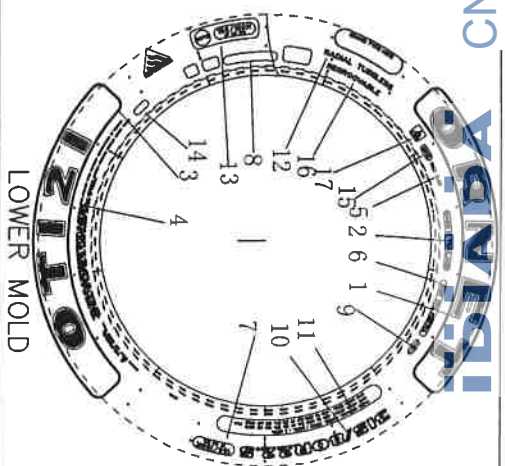
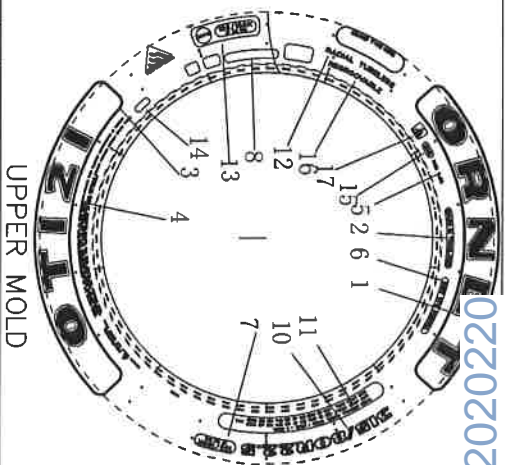


TABLE 1

BRAND NAME	TREAD PATTERN NAME
ORNET	OT121



17						
16	REGROOVABLE					
15	M+S					
14	**** (MOLD NUMBER)					
13	20PR 156/150K AT 850 kPa					
12	RADIAL TUBELESS					
11	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD: SINGLE 4000 kg (8820 lbs) AT 850 kPa (123 psi) COLD L.R. L MAX LOAD: DUAL 3350 kg (7385 lbs) AT 850 kPa (123 psi) COLD					
10	315/80R22.5					
9					**** (PRODUCTION DATE)	
8	0038047					
7	156/150K AT 850 kPa					
6	DOT...					
5	RIM 9.00					
4	WARNING.....					
3	PLEASE SEE THE TABLE 1 ON THE LEFT					
2	MADE IN THAILAND					
1	PLEASE SEE THE TABLE 1 ON THE LEFT					
	UPPER MOLD					LOWER MOLD

315/80R22.5	156/150	L	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

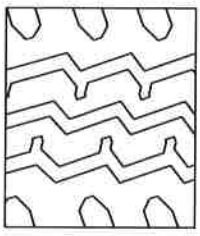
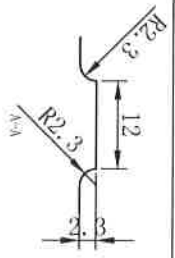
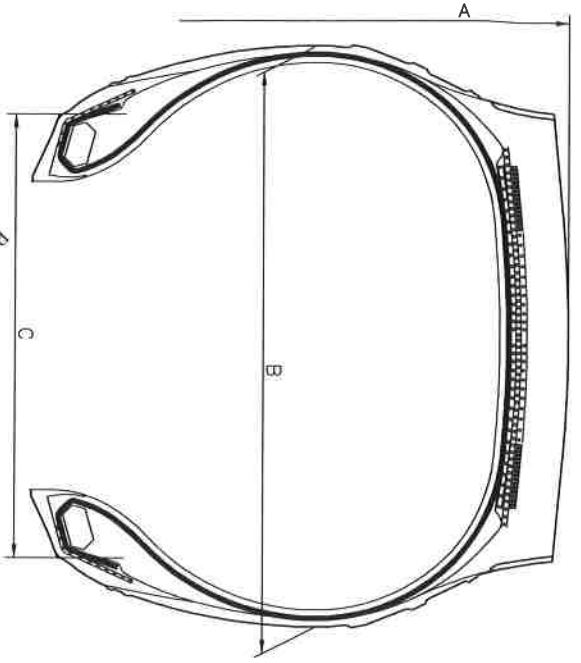
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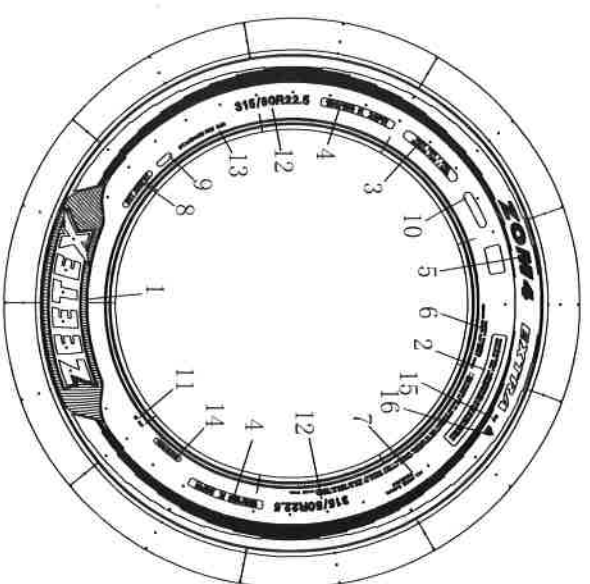
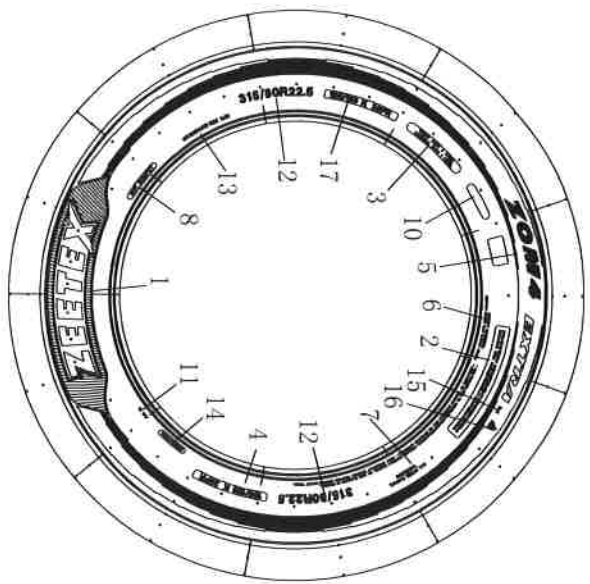
ORNET



TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
ZEBTEX	ZOM4 EXTRA



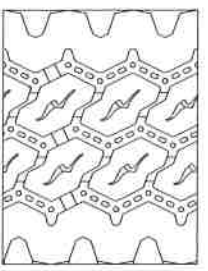
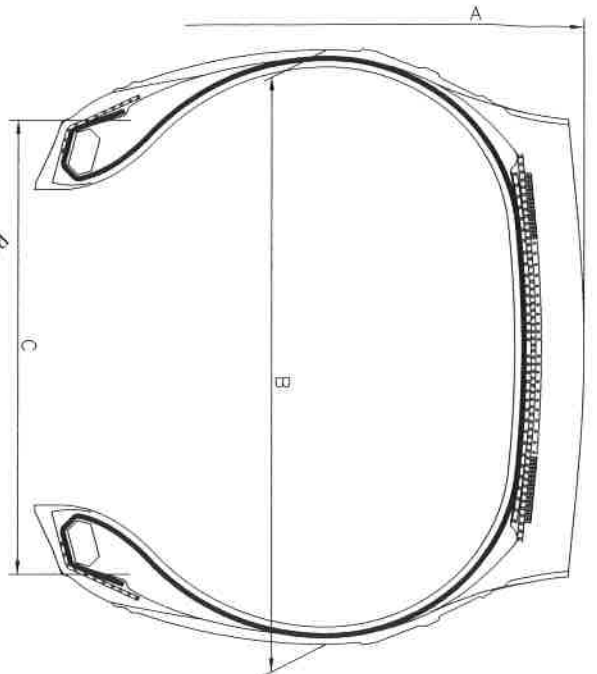
17	156/150K 850kPa				
16	M+S				
14	MADE IN THAILAND				
13	STANDARD RIM 9.00				
12	315/80R22.5				
11	**** (MOLD NUMBER)				
10	EA 0038047				
9					
8	DOT ...				**** (PRODUCTION DATE)
7	ALL STEER RADIAL TUBELESS				
6	WARNING....				
5	PLEASE SEE THE TABLE 1 ON THE LEFT				
4	156/150K 850kPa 20PR				
3	TREAD PILES 4 STEEL SIDEWALL PILES 1 STEEL				
2	MAX. LOAD SINGLE 4000 kg (8820 LBS) AT 850 kPa (123 PSI) COLD MAX. LOAD DUAL 3350 kg (7385 LBS) AT 850 kPa (123 PSI) COLD				
1	PLEASE SEE THE TABLE 1 ON THE LEFT				
	UPPER MOLD				LOWER MOLD

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

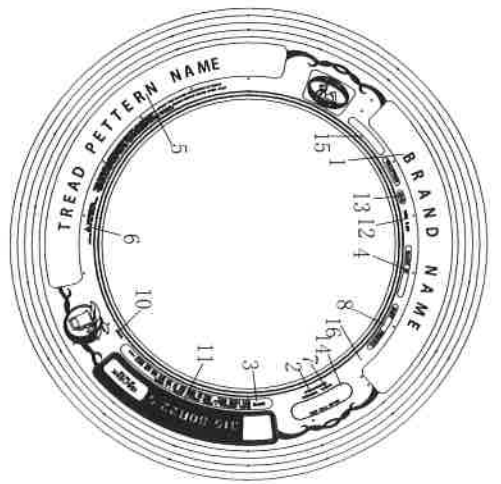
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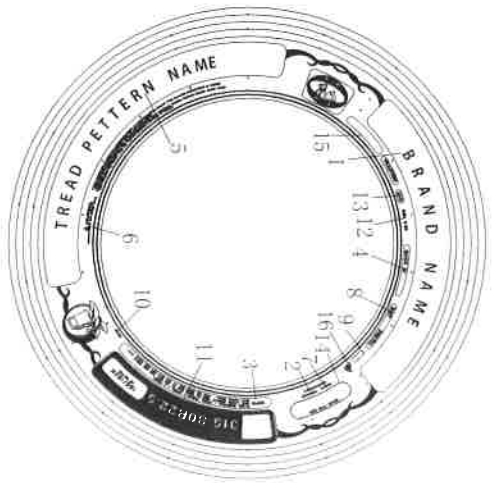
TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
LINGLONG	KMA403
SHANLING	KMA403
LEAO	KMA403
Infinity	KMA403
BENCHMARK	KMA403



UPPER MOLD



LOWER MOLD

15	(E4) 0038047				
14	BRAND TYRE HERE				
13	M+S				
12	RIM 9.00				
11	315/80R22.5 156/150K AT 123 PSI				
10	**** (MOLD NUMBER)				
9				**** (PRODUCTION DATE)	
8	DOT ...				
7	RADIAL TUBELESS				
6	WARNING.....				
5	PLEASE SEE THE TABLE 1 ON THE LEFT				
4	MADE IN THAILAND				
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL 20PR MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123PSI) COLD L.R. 1 MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123PSI) COLD				
2	REGROOVABLE				
1	PLEASE SEE THE TABLE 1 ON THE LEFT	UPPER MOLD		LOWER MOLD	
	315/80R22.5	156/150	K	TL	1076
	TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)
					312
					228.5
					(mm)

Approve by:

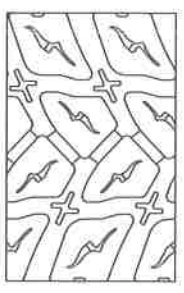
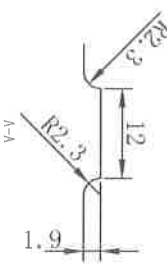
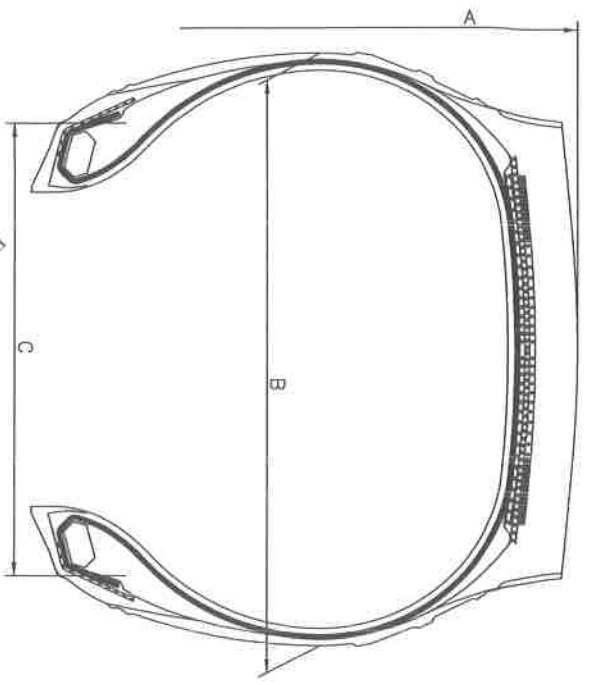
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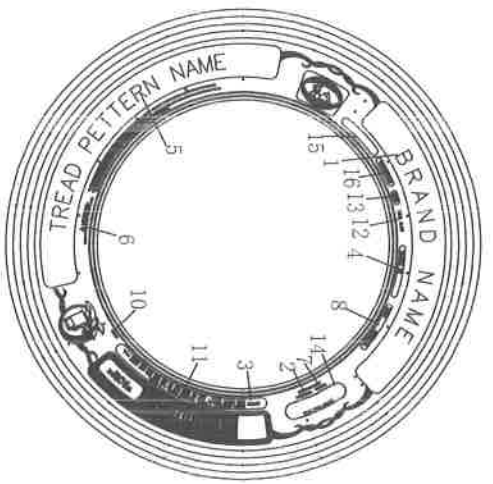
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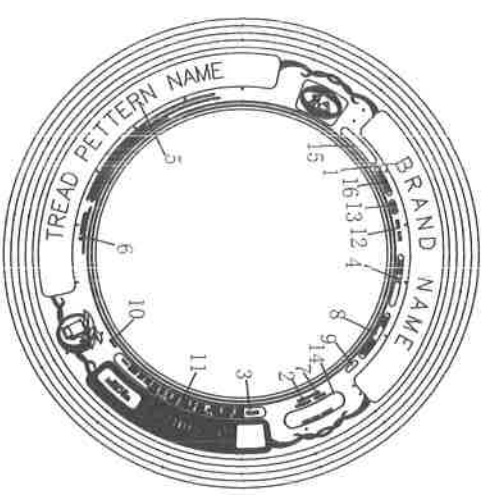
TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
LINGLONG	KMD403
SHANLING	KMD403
LEAO	KMD403
Infinity	KMD403
BENCHMARK	KMD403



UPPER MOLD



LOWER MOLD

16	TRACTION						
15	EA 0038047						
14	BRAND TYRE HERE						
13	M+S						
12	RIM 9.00						
11	315/80R22.5 156/150K AT 123 PSI						
10	**** (MOLD NUMBER)						
9					**** (PRODUCTION DATE)		
8	DOT ....						
7	RADIAL TUBELESS						
6	WARNING.....						
5	PLEASE SEE THE TABLE 1 ON THE LEFT						
4	MADE IN THAILAND						
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL 20PR MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123PSI) COLD LR. L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123PSI) COLD						
2	REGROOVABLE						
1	PLEASE SEE THE TABLE 1 ON THE LEFT						
	UPPER MOLD				LOWER MOLD		
	315/80R22.5	156/150	K	TL	1076	312	228.5
	TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

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Check by:

*[Signature]*

Draft by:

*[Signature]*

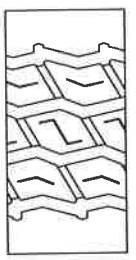
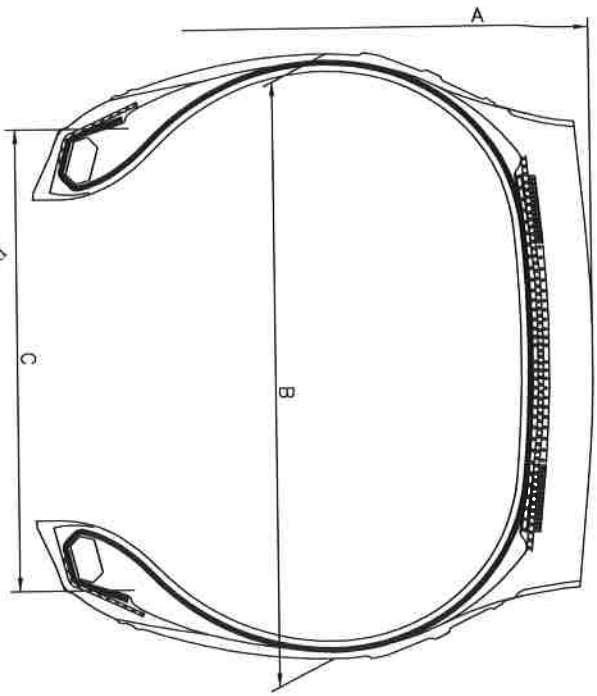


TABLE 1

BRAND NAME	TREAD PATTERN NAME
BARKLEY	BL621

TREAD PATTERNS



UPPER MOLD



LOWER MOLD

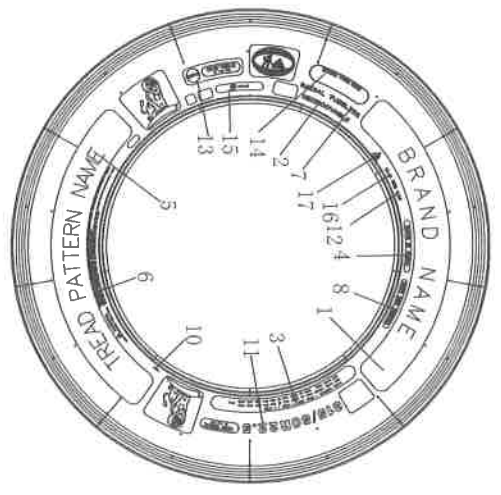
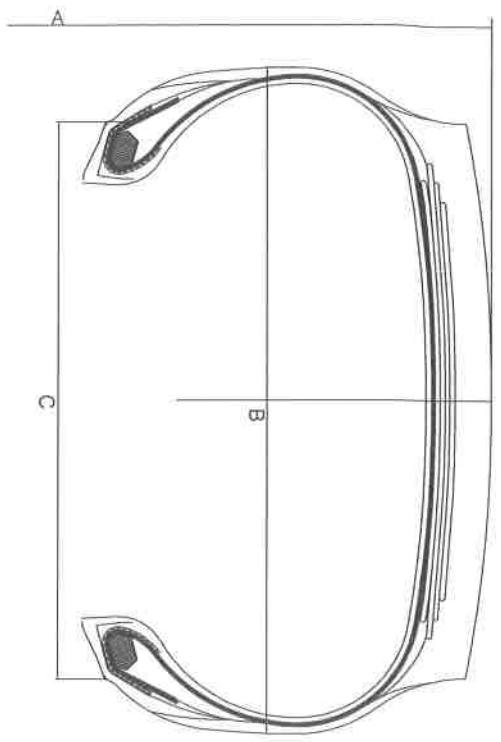
16	▲						
15	Ⓢ	0038047					
14		BRAND TYRE HERE					
13		M+S					
12		RIM 9.00					
11		315/80R22.5 156/150K AT 123 PSI					
10		**** (MOLD NUMBER)					
9						**** (PRODUCTION DATE)	
8		DOT ...					
7		RADIAL TUBELESS					
6		WARNING.....					
5		PLEASE SEE THE TABLE 1 ON THE LEFT					
4		MADE IN THAILAND					
3		PLIES: STEELWALL 1 STEEL TREAD 1 STEEL+3 STEEL 20PR MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123PSI) COLD I.R.1. MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123PSI) COLD					
2		REGROOVABLE					
1		PLEASE SEE THE TABLE 1 ON THE LEFT					
		UPPER MOLD				LOWER MOLD	

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

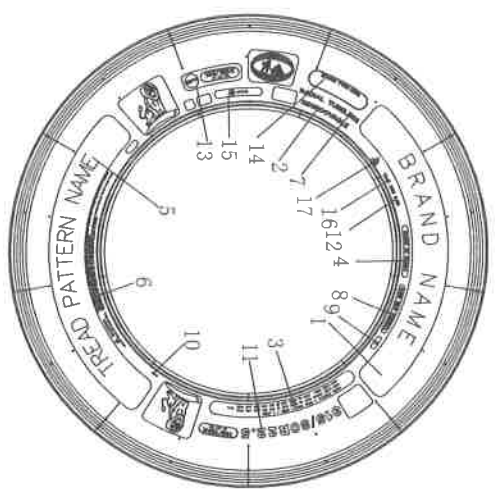
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Check by: *Handwritten signature*

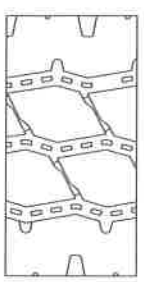
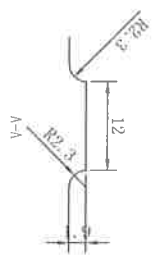
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UPPER MOLD



LOWER MOLD



TREAD PATTERNS

TABLE 1

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

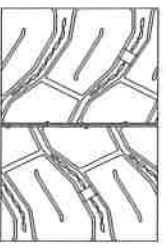
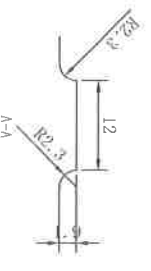
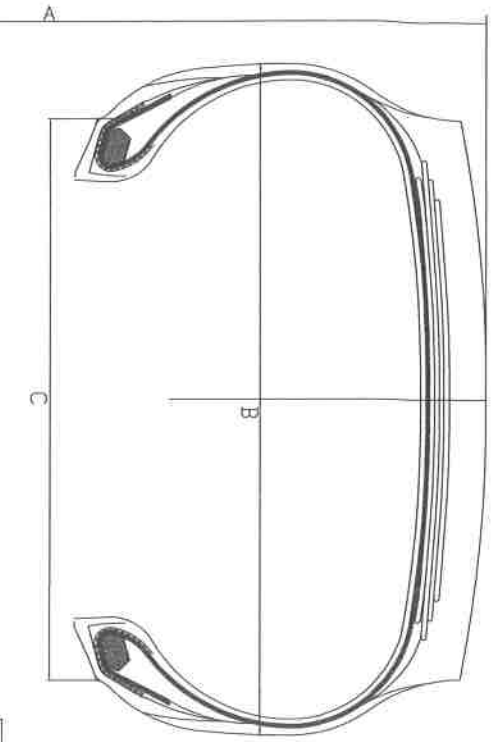
17							
16	M+S						
15	0038047						
14	BRAND TYRE HERE						
13	20PR 156/150K AT 123 PSI						
12	RIM 9.00						
11	315/80R22.5 156/150K AT 123 PSI						
10	**** (MOLD NUMBER)						
9						**** (PRODUCTION DATE)	
8	DOT ...						
7	RADIAL TUBELESS						
6	WARNING.....						
5	PLEASE SEE THE TABLE 1 ON THE LEFT						
4	MADE IN THAILAND						
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL +4 STEEL MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR.L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD						
2	REGROOVABLE						
1	PLEASE SEE THE TABLE 1 ON THE LEFT						
	UPPER MOLD					LOWER MOLD	
	315/80R22.5	156/150	K	TL	1076	312	228.5
	TYRE SIZE	LOAD INDEX	SPEED SYMBO	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

Draft by:

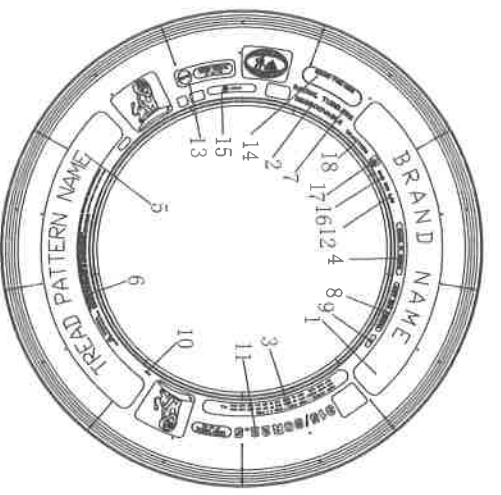
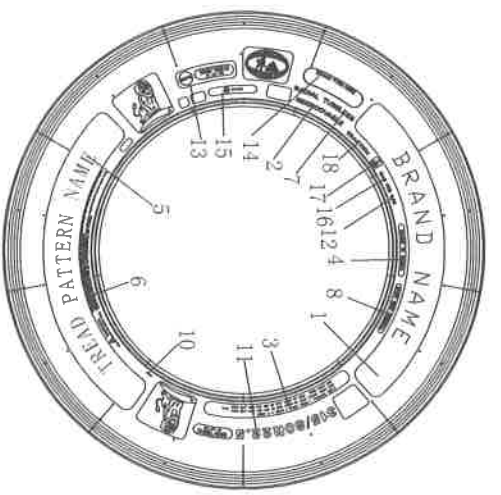




TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
LINGLONG	KMD400; KMD400+; KMD406
SHANLING	KMD400; KMD400+; KMD406
LEAO	KMD400; KMD400+; KMD406
Infinity	KMD400; KMD400+; KMD406
BENCHMARK	KMD400; KMD400+; KMD406
BARKLEY	BL835
CROSSWIND	CWD40K
TECHKING	TASK DM



UPPER MOLD

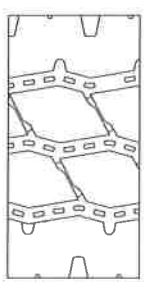
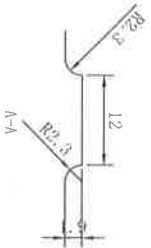
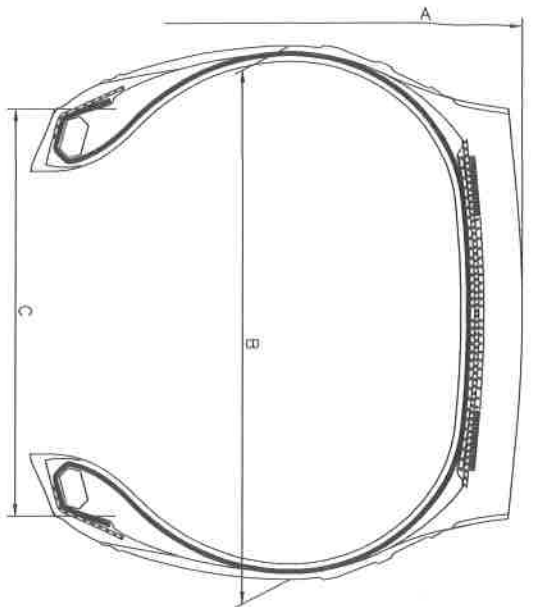
LOWER MOLD

18	TRACTION						
17							
16	M+S						
15	0038047						
14	BRAND TYRE HERE						
13	20PR 156/150K AT 123 PSI						
12	RIM 9.00						
11	315/80R22.5 156/150K AT 123 PSI						
10	**** (MOLD NUMBER)						
9					**** (PRODUCTION DATE)		
8	DOT ...						
7	RADIAL TUBELESS						
6	WARNING.....						
5	PLEASE SEE THE TABLE 1 ON THE LEFT						
4	MADE IN THAILAND						
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD						
2	REGROOVABLE						
1	PLEASE SEE THE TABLE 1 ON THE LEFT						
		UPPER MOLD		LOWER MOLD			
	315/80R22.5	156/150	K	TL	1076	312	228.5
	TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

Draft by:



TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
HUBTRAC	MIXED G15



17	<b>A</b>				
16	M+S				
15	EA 0038047				
14	BRAND TYRE HERE				
13	156/150K AT 850 kPa				
12	RIM 9.00				
11	315/80R22.5				
10	**** (MOLD NUMBER)				
9				**** (PRODUCTION DATE)	
8	DOT ...				
7	RADIAL TUBELESS				
6	WARNING.....				
5	PLEASE SEE THE TABLE 1 ON THE LEFT				
4	MADE IN THAILAND				
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR.L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD				
2	REGROOVABLE				
1	PLEASE SEE THE TABLE 1 ON THE LEFT				
	UPPER MOLD			LOWER MOLD	

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

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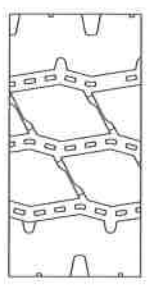
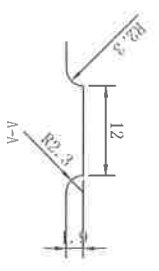
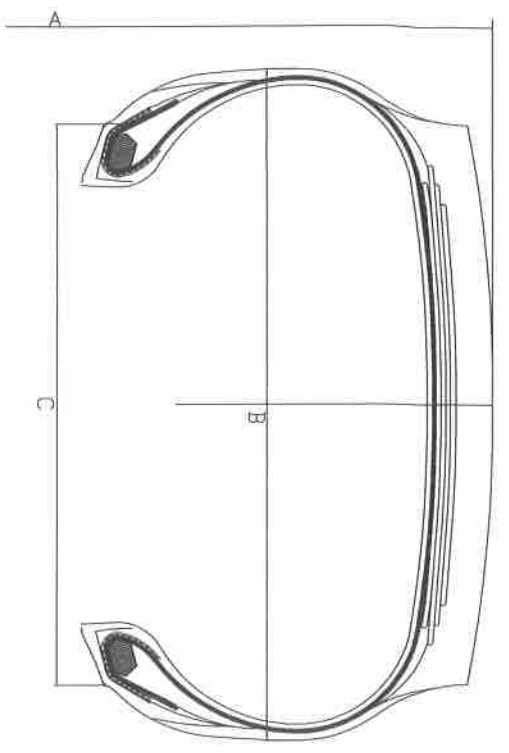
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TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
HUBTRAC	MIXED G15



17	<b>A</b>					
16	M+S					
15	<b>E4</b> 0038047					
14	BRAND TYRE HERE					
13	156/150K AT 850 kPa					
12	RIM 9.00					
11	315/80R22.5					
10	**** (MOLD NUMBER)					
9						**** (PRODUCTION DATE)
8	DOT ...					
7	RADIAL TUBELESS					
6	WARNING.....					
5	PLEASE SEE THE TABLE 1 ON THE LEFT					
4	MADE IN THAILAND					
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR. L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD					
2	REGROOVABLE					
1	PLEASE SEE THE TABLE 1 ON THE LEFT					
	UPPER MOLD					LOWER MOLD

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

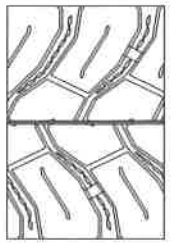
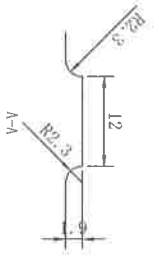
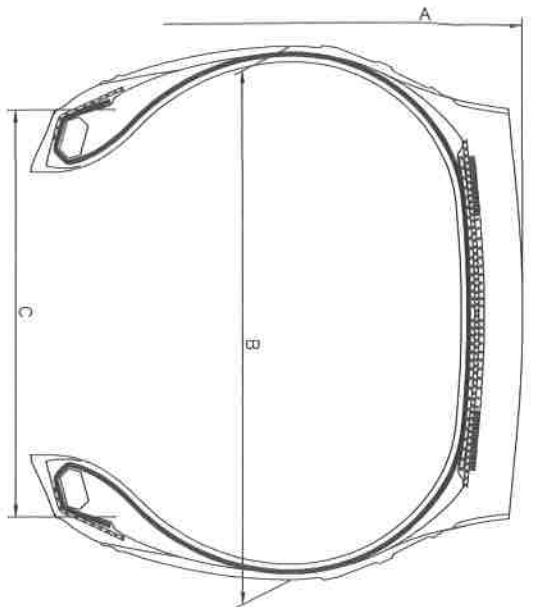
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TREAD PATTERNS

TABLE 1

BRAND NAME	TREAD PATTERN NAME
HUBTRAC	MIXED D11



UPPER MOLD

LOWER MOLD

18	TRACTION				
17	<b>A</b>				
16	M+S				
15	(E4) 0038047				
14	BRAND TYRE HERE				
13	156/150K AT 850 kPa				
12	RIM 9.00				
11	315/80R22.5				
10	**** (MOLD NUMBER)				
9					**** (PRODUCTION DATE)
8	DOT ...				
7	RADIAL TUBELESS				
6	WARNING.....				
5	PLEASE SEE THE TABLE 1 ON THE LEFT				
4	MADE IN THAILAND				
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR.L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD				
2	REGROOVABLE				
1	PLEASE SEE THE TABLE 1 ON THE LEFT				
	UPPER MOLD				
					LOWER MOLD

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

Check by:

张艳

Draft by: 马世海

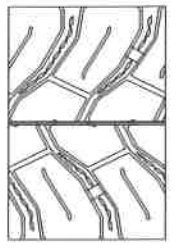
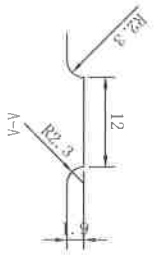
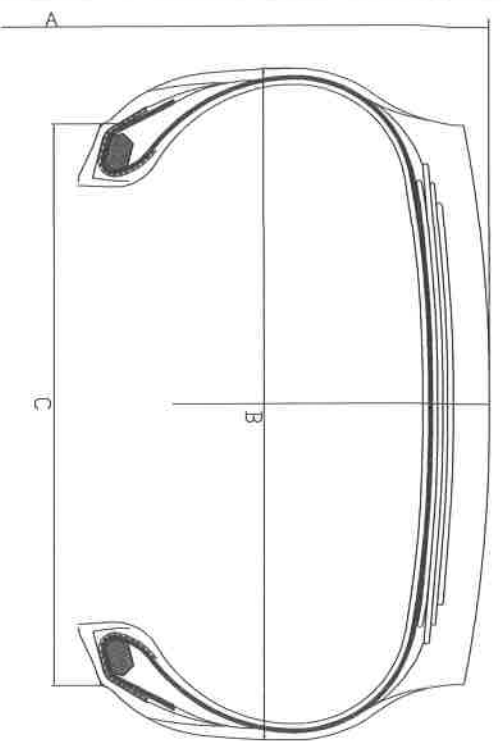
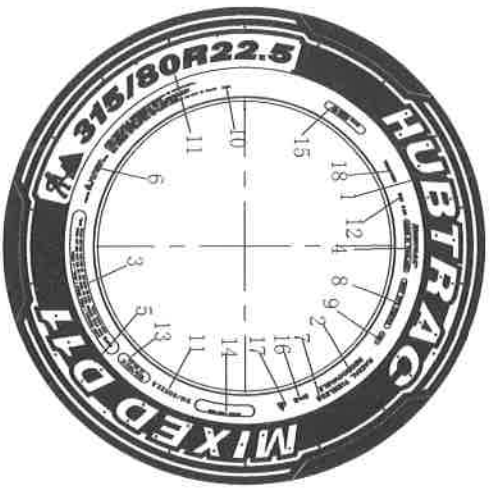
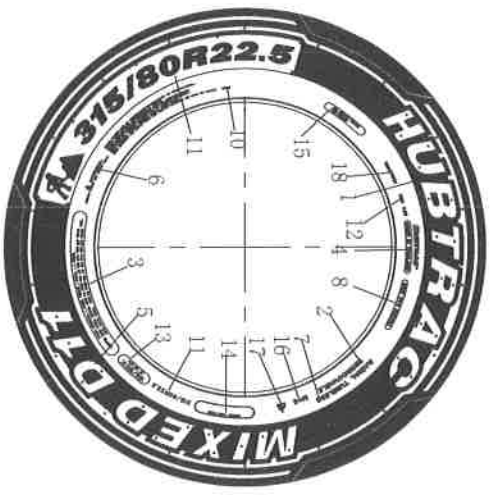


TABLE 1

BRAND NAME	TREAD PATTERN NAME
HUBTRAC	MIXED D11



18	TRACTION				
17	<b>A</b>				
16	M+S				
15	(E4) 0038047				
14	BRAND TYRE HERE				
13	156/150K AT 850 kPa				
12	RIM 9.00				
11	315/80R22.5				
10	**** (MOLD NUMBER)				
9				**** (PRODUCTION DATE)	
8	DOT ...				
7	RADIAL TUBELESS				
6	WARNING.....				
5	PLEASE SEE THE TABLE 1 ON THE LEFT				
4	MADE IN THAILAND				
3	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+4 STEEL MAX LOAD: SINGLE 4000kg (8820lbs) AT 850kPa (123psi) COLD LR L MAX LOAD: DUAL 3350kg (7385lbs) AT 850kPa (123psi) COLD				
2	REGROOVABLE				
1	PLEASE SEE THE TABLE 1 ON THE LEFT				
	UPPER MOLD		LOWER MOLD		

315/80R22.5	156/150	K	TL	1076	312	228.5
TYRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A (mm)	B (mm)	C (mm)

Approve by:

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**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

**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	:	<del>normal</del> / snow /- <del>special</del>		
Structure	:	<del>diagonal</del> /- <del>bias belted</del> / 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

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN

**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 × 22.5”
Test rim Code	:	9.0 × 22.5”

**3.1. Pneumatic tyre measurement**

Mounting pressure in <b>measuring rim</b>	:	<b>P(1m) = 8.5 bar</b>
Conditioning temperature	:	<b>Temp. = 26.5 °C</b>
Adjusted pressure before conditioning	:	<b>P(2m) = 8.5 bar</b>
Readjusted pressure after <b>24</b> hours	:	<b>P(3m) = 8.5 bar</b>

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE  
 \* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN



**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	<b>313.0</b>

**3.1.2. Tyre section width calculation:**

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

Or

$$S = S_1 + K(A - A_1)$$

Nominal section 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.

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**3.1.3. Outer diameter measurement**

<b>Maximum circumference (mm)</b>	<b>Outer diameter (mm)</b> $D_{i\ ext} = \frac{L}{\pi}$
3384	1077.2

**3.1.4. Tyre outer diameter calculation:**

$$D = d + 2H$$

Conventional number of the nominal rim(mm)	<b>d = 572 mm</b>
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)	<b>H = 252 mm</b>

<b>Dmin</b> $D_{min} = d + 2(H \times a)$	<b>Outer diameter D (measured)</b>	<b>Dmax</b> $D_{max} = d + 2(H \times b)$
<b>1060 mm</b>	<b>1077.2 mm</b>	<b>1106 mm</b>
<b>Dmin &lt; D &lt; Dmax</b>		

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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.	

\* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE  
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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

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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.

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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