

**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- ~~approval withdrawn~~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 pneumatic tyre for motor vehicles pursuant to Regulation number 54.

Approval number: E4-54R-0021557 Ext. 06

1. Manufacturer's name and address : Shandong Changfeng Tyres Co., Ltd.
High-tech Development Zone, Guangrao County
Dongying City, SHANDONG PROVINCE,
257335, China (PROC)
2. Tyre type designation ⁽²⁾ :
- 2.1. Brand name(s)/trademark(s) : CHANGFENG; SUNFULL; RUIFULAI;
FESITE; Agate; Green dragon; SINOTYRE;
OVATION; TORQUE; HIFLY; MIGEER;
GALLANT; OTANI; TOWNHALL; TEMPO;
CONVOY; BRIC; LEXANI; ONYX; FUJITIRE;
UNIX; ZEETEX ; FULLWAY; DAEWOO;
ECOVISION; MIRAGE; CRYSTAL; SATOYA;
PETROMAX; Satoya; CACHLAND; GALLANT
- 2.2. Trade description (s)/Commercial name(s)/ : HF188; ST188; VI-188; TQ188; HH188; HM188;
GT188; TH188; TM188; CV188; JA-188; LX188;
NY188; X-F16+; HF618; ST618; VI-618; TQ618;
HH118; HM118; GT618; TH618; TM618; CV618;
JA-618; LX618; NY618; X-F05+; HT-09+;
OH908+; HF606; ST606; VI-606; TQ606; HH104;
HM104; GT606; TH606; TM606; CV606; JA-606;
LX606; NY606; FJ02; X-F02+; HT-03+; OH900+;
HF330; ST330; VI-330; TQ330; HH101; HM101;
GT330; TH330; TM330; CV330; JA-330; LX330;
NY330; FJ279; X-F30+; HF550; ST550; VI-550;
TQ550; HH350; HM350; GT550; TH550; TM550;
CV550; JA-550; LX550; NY550; X-F28+; HF660;
ST038; VI-660; TQ660; HH102; HM102; GT660;
TH660; TM660; CV660; JA-660; LX660; NY660;

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Reason: MoldSign Signatu
Location: Moldova



FJ889; X-F25+; HT-10+; OH909+; HF770;
ST770; VI-770; TQ770; HH370; HM370; GT770;
TH770; TM770; CV770; JA-770; LX770; NY770;
FJ888; X-F17+; HF880; ST880; VI-880; TQ880;
HH380; HM380; GT880; TH880; TM880; CV880;
JA-880; LX880; NY880; X-F18+; HF990; ST990;
VI-990; TQ990; HH103; HM103; GT990; TH990;
TM990; CV990; JA-990; LX990; NY990; X-
F10+; HF638; ST032; VI-638; TQ638; HH308;
HM308; GT638; TH638; TM638; CV638; JA-638;
LX638; NY638; FJ659; X-F06+; TZ-06+;
OR805+; HT-12+; TB660; DWS01; MG188;
MG618; MG606; CS720; MG330; MG550;
MG660; CS760; MG770; MG880; MG990;
MG638; HH108; HM108; HO108; HF108;
MG108; VI-108; HH109; HM109; HO109;
HF109; MG109; VI-109; HH308; HM308;
HO308; HF308; MG308; VI-308; HH309; VI-628;
MG628; TQ628; HO309; HF628; TZ-09+;
HH312; VI-312; MG312; TQ312; HO312; HF312;
HH111; VI-111; MG111; TQ111; HO111; HF111;
HH301; VI-702; MG702; TQ702; HO301; HF702;
CS716; TB901; DWA02; LZ-01+; DWD02;
HO118; HO101; HO104; HO102; HH308 A ;
HM308 A ; HO308 A ; HO103; CS756; CS504;
CS520; GD638; GD660; PT501; CH8033;
CH8066; CH8606; CH8111; CH8816; CH8207;
CH8836; CH8826; CH8213; GSC033; GSC066;
GSC606; GSC111; GTC816; GAM207; GDC836;
GDC826; GDC213

3. If applicable, name and address of the manufacturer's representative : not applicable

4. Summarized description:

4.1. Size of tyre : 11R22.5

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

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

4.4. Tyre class : C2/C3⁽¹⁾

4.5. Speed category symbol:

4.5.1. nominal : M

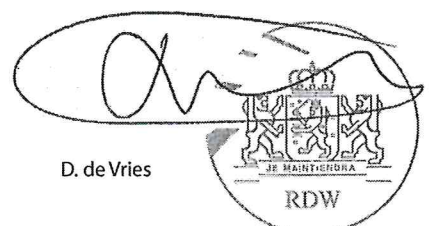
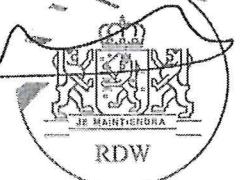
4.5.2. additional (if applicable) : -

4.6. Load-capacity indices:

4.6.1. Corresponding to nominal speed:
- single : 148
- twinned (dual) : 145

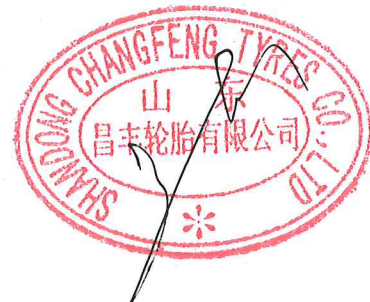
4.6.2. Corresponding to additional speed:
- single : ---



- twinned (dual) : ---
5. Technical service and, where applicable, test laboratory approved for purposes of approval or of verification of conformity : TÜV NORD Mobilität GmbH & Co. KG
IFM-Institut für Fahrzeugtechnik und Mobilität
Schönscheidtstr. 28, D-45307 Essen
6. Date of report issued by that service : March 12, 2018
7. Number of report issued by that service : CS054-G0-2018-00260
8. Reason(s) for extension (if applicable) : Addition of brand names and tread patterns.
Addition of “Alpine” marking..
9. Any remarks : --
10. Place : Zoetermeer
11. Date : 18-APR-2018
12. Signature : 
D. de Vries 
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.

⁽¹⁾ Strike out what does not apply.

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



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

APPROVAL ~~Grant~~ / Extension / ~~Correction~~

Addition of : trademark(s) Satoya; CACHLAND;
GALLANT and treadpattern(s) CH8033; CH8066; CH8606;
CH8111; CH8816; CH8207; CH8836; CH8826; CH8213;
GSC033; GSC066; GSC606; GSC111; GTC816; GAM207;
GDC836; GDC826; GDC213

Deletion of : trademark(s) *** and treadpattern(s) ***

1. Manufacturer's name or trade mark

: CHANGFENG; SUNFULL; RUIFULAI; FESITE;
Agate; Green dragon; SINOTYRE; OVATION;
TORQUE; HIFLY; MIGEER; GALLANT; OTANI;
TOWNHALL; TEMPO; CONVOY; BRIC; LEXANI;
ONYX; FUJITIRE; UNIX; ZEETEX ; FULLWAY;
DAEWOO; ECOVISION; MIRAGE; CRYSTAL;
SATOYA; PETROMAX; Satoya; CACHLAND;
GALLANT

2. Tyre type designation by the manufacturer

: HF188; ST188; VI-188; TQ188; HH188; HM188;
GT188; TH188; TM188; CV188; JA-188; LX188;
NY188; X-F16+; HF618; ST618; VI-618; TQ618;
HH118; HM118; GT618; TH618; TM618; CV618; JA-
618; LX618; NY618; X-F05+; HT-09+; OH908+;
HF606; ST606; VI-606; TQ606; HH104; HM104;
GT606; TH606; TM606; CV606; JA-606; LX606;
NY606; FJ02; X-F02+; HT-03+; OH900+; HF330;
ST330; VI-330; TQ330; HH101; HM101; GT330;
TH330; TM330; CV330; JA-330; LX330; NY330;
FJ279; X-F30+; HF550; ST550; VI-550; TQ550;
HH350; HM350; GT550; TH550; TM550; CV550; JA-
550; LX550; NY550; X-F28+; HF660; ST038; VI-660;
TQ660; HH102; HM102; GT660; TH660; TM660;
CV660; JA-660; LX660; NY660; FJ889; X-F25+; HT-
10+; OH909+; HF770; ST770; VI-770; TQ770;
HH370; HM370; GT770; TH770; TM770; CV770; JA-
770; LX770; NY770; FJ888; X-F17+; HF880; ST880;
VI-880; TQ880; HH380; HM380; GT880; TH880;
TM880; CV880; JA-880; LX880; NY880; X-F18+;
HF990; ST990; VI-990; TQ990; HH103; HM103;
GT990; TH990; TM990; CV990; JA-990; LX990;
NY990; X-F10+; HF638; ST032; VI-638; TQ638;
HH308; HM308; GT638; TH638; TM638; CV638; JA-
638; LX638; NY638; FJ659; X-F06+; TZ-06+;
OR805+; HT-12+; TB660; DWS01; MG188; MG618;
MG606; CS720; MG330; MG550; MG660; CS760;
MG770; MG880; MG990; MG638; HH108; HM108;
HO108; HF108; MG108; VI-108; HH109; HM109;
HO109; HF109; MG109; VI-109; HH308; HM308;
HO308; HF308; MG308; VI-308; HH309; VI-628;
MG628; TQ628; HO309; HF628; TZ-09+; HH312; VI-
312; MG312; TQ312; HO312; HF312; HH111; VI-
111; MG111; TQ111; HO111; HF111; HH301; VI-
702; MG702; TQ702; HO301; HF702; CS716; TB901;
DWA02; LZ-01+; DWD02; HO118; HO101; HO104;
HO102; HH308A; HM308A; HO308A; HO103;
CS756; CS504; CS520; GD638; GD660;
PT501; CH8033; CH8066; CH8606; CH8111;
CH8816; CH8207; CH8836; CH8826; CH8213;
GSC033; GSC066; GSC606; GSC111; GTC816;
GAM207; ~~GDC836; GDC826; GDC213~~



- | | | | |
|-------|--|---|--|
| 3. | Manufacturer's name and address | : | Shandong Changfeng Tyres Co., Ltd.
High-tech Development Zone, Guangrao
County, Dongying City, Shandong Province,
257335 China (PROC) |
| 4. | If applicable, name and address of manufacturer's representative | : | not applicable |
| 5. | Summarised description | : | |
| 5.1. | Tyre size designation | : | 11R22.5 |
| 5.2. | Category of use | : | normal /special/snow |
| 5.3. | Structure | : | diagonal (bias-ply) /radial |
| 5.4. | Tyre Class | : | E2 /C3 |
| 5.5. | Speed category symbol | : | |
| 5.5.1 | Nominal | : | M |
| 5.5.2 | additional (if applicable) | : | |
| 5.6. | Load-capacity indices, | : | |
| 5.6.1 | corresponding to nominal speed | : | single: 148 twinned (dual) : 145 |
| 5.6.2 | corresponding to additional speed | : | single: --- twinned (dual) : --- |
| 6. | Overall dimensions | : | annex5 calculated |
| | Nominal section width / Measured max Overall SW | : | 279 / 277.2 |
| | Nominal diameter / Measured max Diameter | : | 1050 / 1053.5 |
| | Factor 'x' | : | 0.75 |
| 7. | Ply-rating number for diagonal (bias-ply) tyres | : | not applicable |
| 8. | Rims on which the tyre can be mounted | : | 8.25 |
| 9. | Measuring rim and test rim | : | see attached test report |
| 10. | State whether the tyre is | : | tubeless / tube -type |
| 11. | Inflation pressure and index for measuring and testing | : | see attached test report |
| 12. | Submitted for approval on (date) | : | Dec 28 th , 2017 |

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 :

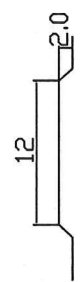
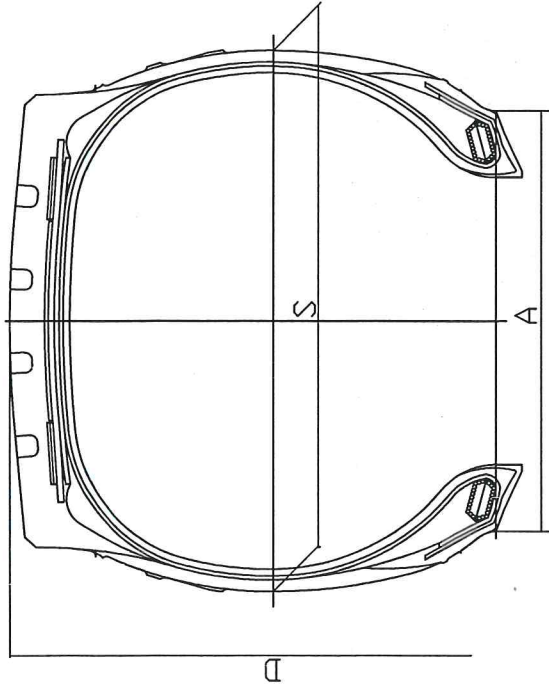
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Name: ...Zhu Lixin....

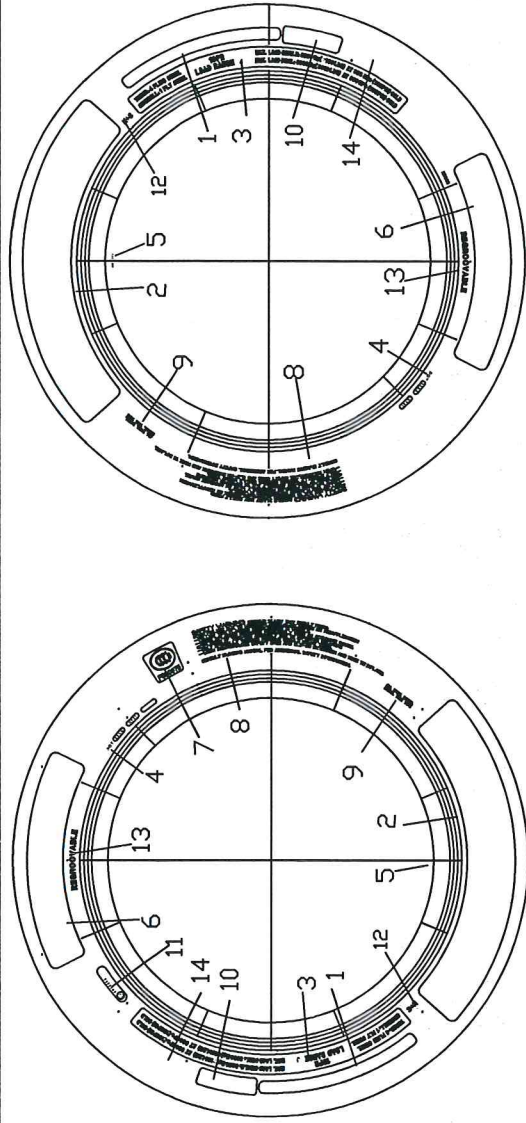
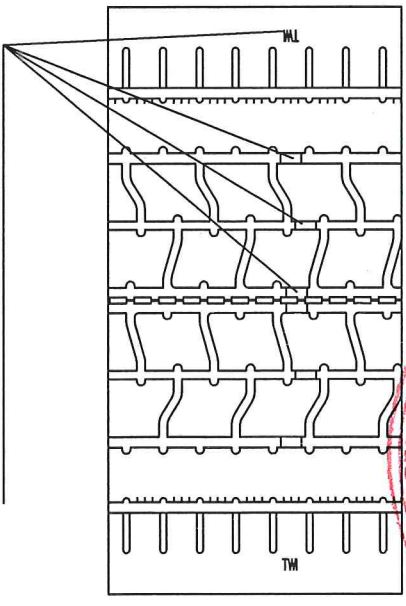
THIS APPLICATION IS ACCOMPANIED BY:

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

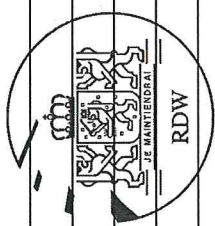


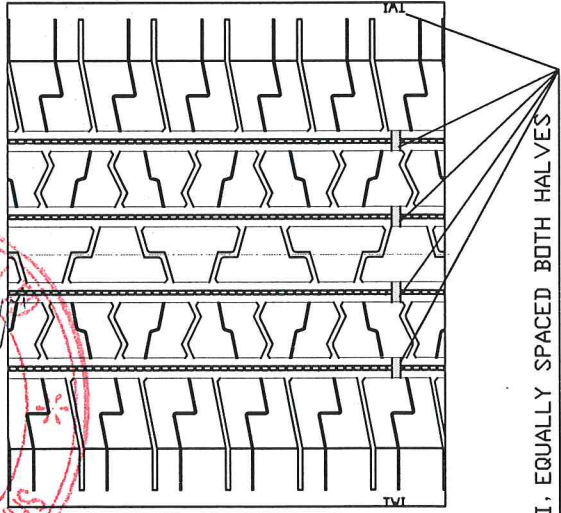
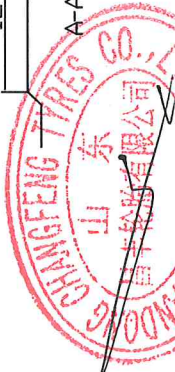
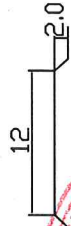
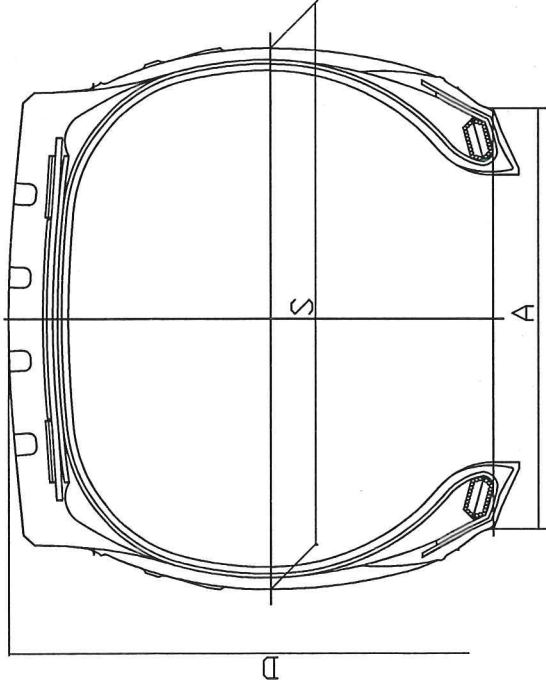


6-T.W.I, EQUALLY SPACED BOTH HALVES

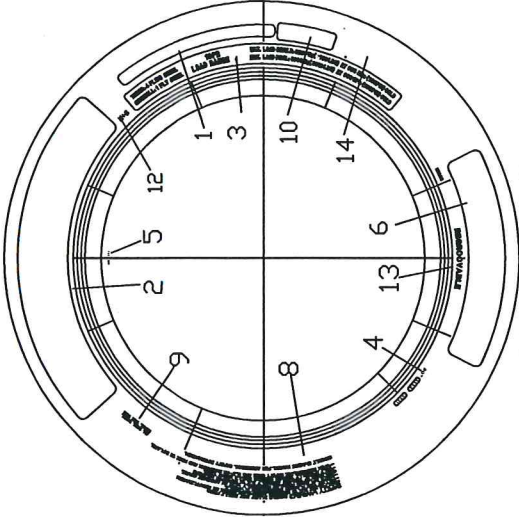
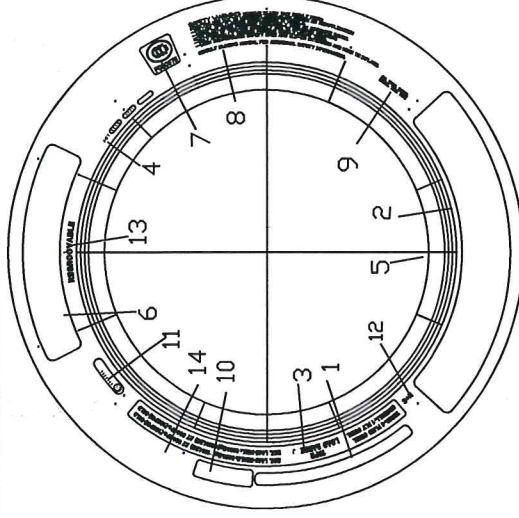


LOWER MOLD				UPPER MOLD			
14	TUBELESS						
13	REGROOVABLE						
12	M+S						
11	ECE APPROVAL MARK			-----			
10	148/145 M						
9	ALL STEEL RADIAL						
8	SAFETY WARNING:						
7	CCC			-----			
6	HF188 or ST188 or VI-188 or TQ188 or HH188 or HM188 or GT188 or TH188 or TM188 or CV188 or JA-188 or LX188 or NY188 or X-F16+ or MG188						
5	MADE IN CHINA						
4	DOT *****		*** (DATE CODE)		DOT *****		*****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) > AT 850 kpa. (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) > AT 850 kpa. (< 123PSI) > COLD						
2	CHANGFENG or SUNFULL or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MIGEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL						
1	11R22.5						
LOWER MOLD				UPPER MOLD			
11R22.5	146/143	M	TL	1050	279	209.6	2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D<mm>	S<mm>	A<mm>	DATE



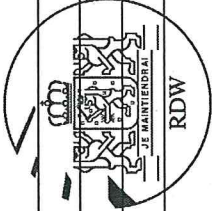


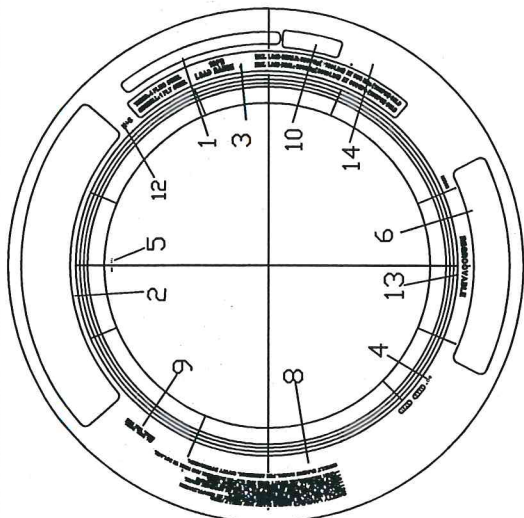
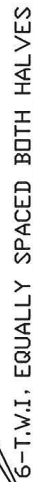
6-T.W.I, EQUALLY SPACED BOTH HALVES



LOWER MOLD UPPER MOLD

14	TUBELESS													
13	REGROOVABLE													
12	M+S													
11	ECE APPROVAL MARK					-----								
10	148/145 M													
9	ALL STEEL RADIAL													
8	SAFETY WARNING:													
7	CCC					-----								
6	HT-12+													
5	MADE IN CHINA													
4	DOT ***** (DATE CODE)					DOT ***** *****								
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) > AT 850 kpa (< 123PSI) > COLD													
2	CHANGFENG or SUNFULL or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MIGEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI													
1	11R22.5													
LOWER MOLD UPPER MOLD														
11R22.5	146/143		M		TL		1050		279		209.6		2018-2-8	
TIRE SIZE	LOAD INDEX		SPEED SYMBOL		TYPE		D<mm>		S<mm>		A<mm>		DATE	

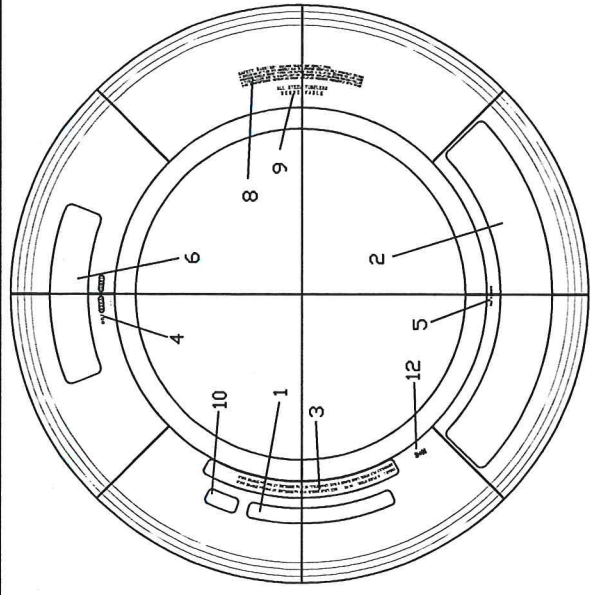




UPPER MOLD

14	TUBELESS
13	REGROOVABLE
12	M+S
11	ECE APPROVAL MARK
10	148/145 M
9	ALL STEEL RADIAL
8	SAFETY WARNING:
7	CCC
6	HF606 or ST606 or VL-606 or TQ606 or HH104 or GM104 or TH606 or TM606 or CV606 or JA-606 or LX606 or NY606 or FUJ2 or X-FU2+ or HT-03+ or OH900+ or MG606 or CS720 or HO104 or CS504 or CH8606 or GSC606
5	MADE IN CHINA
4	DOT ***** (DATE CODE) DOT ***** *****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) AT 850 kpa < 123PSI > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) AT 850 kpa < 123PSI > COLD CHANGFENG or SUNFULL or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFYL or MIGEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL or CACHLAND
2	
1	11R22.5
LOWER MOLD UPPER MOLD	
11R22.5	146/143 M TL 1050 279 209.6 2018-2-8
TIRE SIZE	LOAD INDEX SPEED SYMBO TYPE D(mm) S(mm) A(mm) DATE

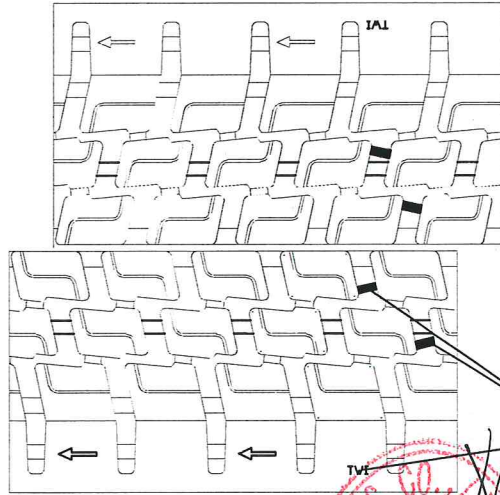
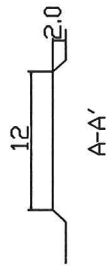
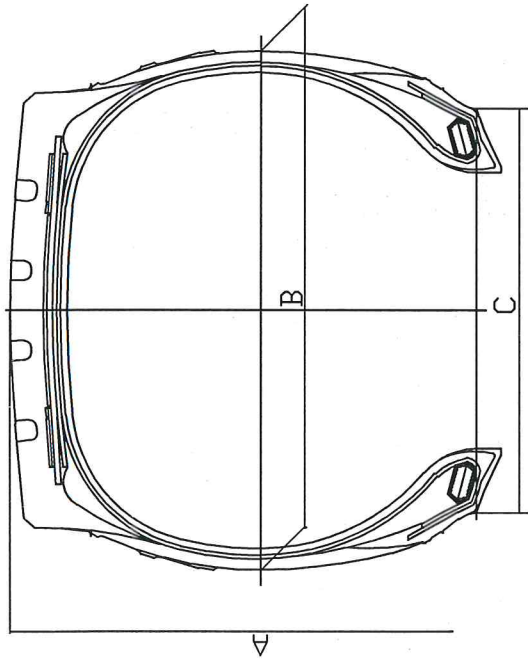
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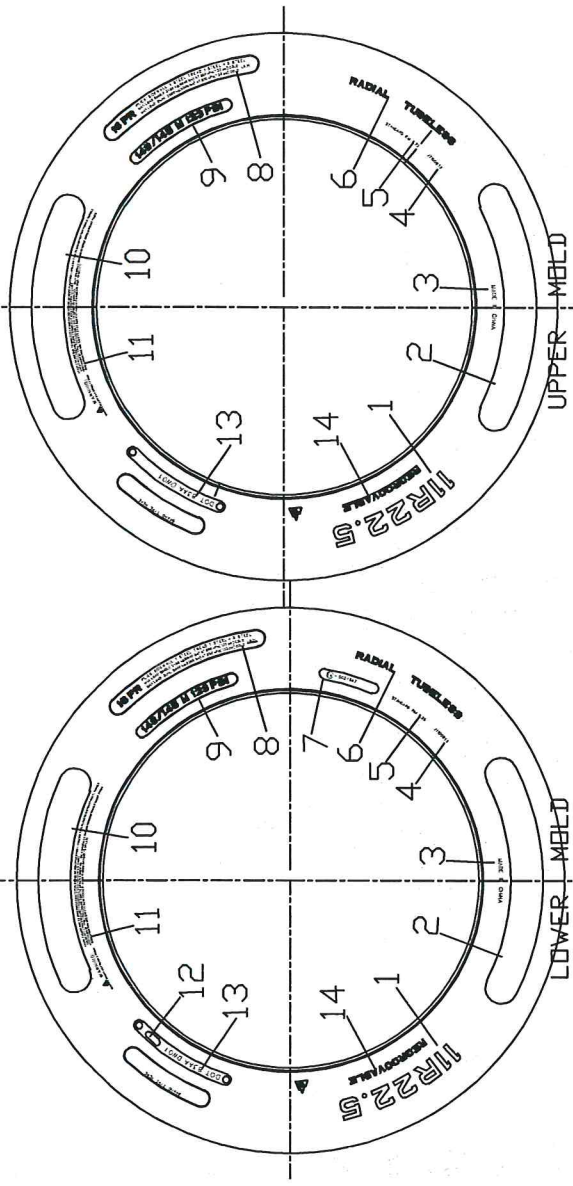
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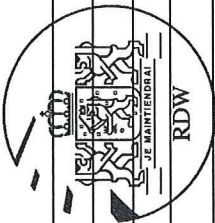
6-T.W.I, EQUALLY SPACED BOTH HALVES

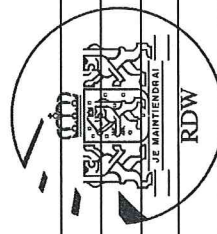
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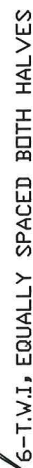
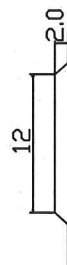


6-T.W.I., EQUALLY SPACED BOTH HALVES

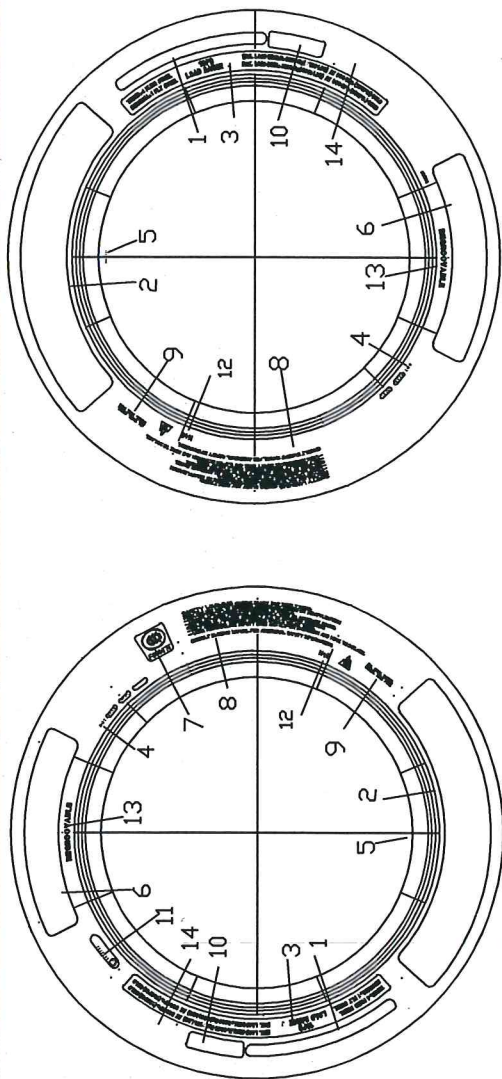
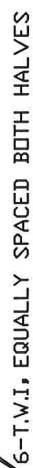
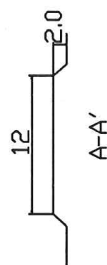


14	REGROOVABLE	M+S					
13	DOT						
12	****(DATE CODE)		-----				
11	WARNING:						
10	DWD02						
9	148/145 M 123PSI						
8	16PR	PLIES: SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAXLOAD SINGLE3150Kg < 6940 LBS > AT 850 Kpa < 123PSI > COLD MAXLOAD DUAL2900Kg < 6395 LBS > AT 850 Kpa < 123PSI > COLD	L.R.H				
7	ECE APPROVAL MARK		-----				
6	RADIAL TUBELESS						
5	STANDARD RIM 8.25						
4	**** (MOLD NUMBER)						
3	MADE IN CHINA						
2	DAEWOO						
1	11R22.5						
		LOWER MOLD	UPPER MOLD				
11R22.5	148/145	M	TL	1050	279	209.6	2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	A(mm)	B(mm)	C(mm)	DATE





Approve by	Zhulixin	Check by	Limin	Draft by	Libo	Page 6 ----
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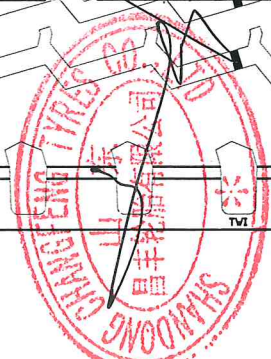


LOWER MOLD

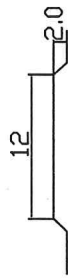
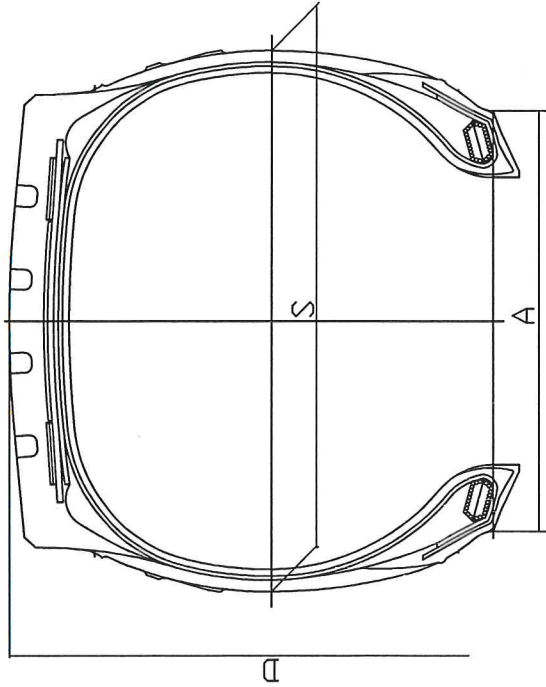
UPPER MOLD

[illegible]

Approve by	Zhulixin	Check by	Limin	Draft by	Libo	Page 7 ----
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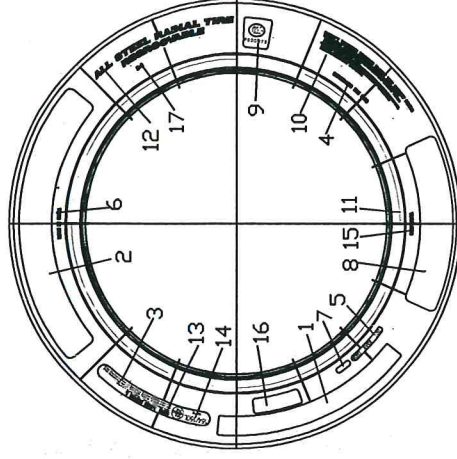
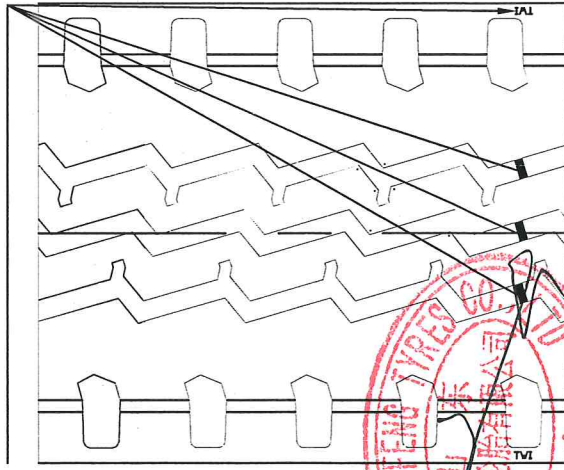


Approve by	Zhulixin	Check by	Limin	Draft by	Libo	Page 8 ----
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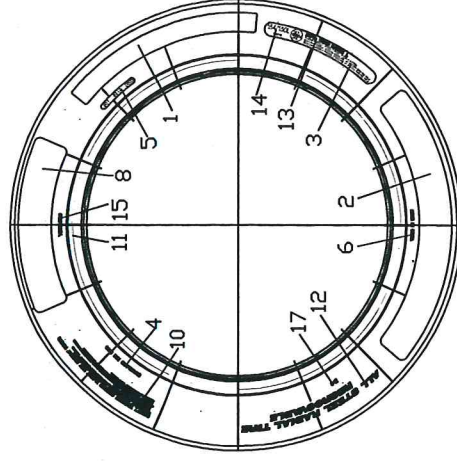


A-A'

6-T.V.I. EQUALLY SPACED BOTH HALVES



LOWER MOLD



UPPER MOLD

17	M+S		
16	ECE APPROVAL MARK		-----
15	TUBELESS		
14	148/145 M		
13	16PR LOAD RANGE H		
12	ALL STEEL RADIAL TIRE	REGROOVABLE	
11	**** (MOLD NUMBER)		
10	SAFETY WARNING:		
9	CCC		-----
8	HH301 or VI-702 or MG702 or TQ702 or H0301 or HF702 or GS716 or TB901 or DW402 or LZ-01+ or PT501 or CH207 or GAW207		
7	**** (DATE CODE)		-----
6	MADE IN CHINA		
5	DOT ****		
4	STANDARD RIM 8.25		
3	PLIES:SIDEWALL 1 STEEL;TREAD 1 STEEL + 3 STEEL MAX LOAD SINGLE:3150kg (6940 LBS AT 850 kpa (123PSI) COLD MAX LOAD DUAL:2900kg (6395 LBS) AT 850 kpa (123PSI) COLD		
2	HIFLY or OVATION or ECOVISION or MIRAGE or TORQUE or ONYX or SUNFILL or CHANGEFENG or RUIFULAI or Agate or FESITE or Green dragon or CRYSTAL or FULLWAY or DAERD00 or ZEEFEX or PETROMAX or CACHLAND or GALLANT		
1	11R22.5	11R22.5	
	LOWER MOLD	UPPER MOLD	
11R22.5	146/143	M	TL
	LOAD INDEX	SPEED SYMBOL	TYPE
			D (mm)
			S (mm)
			A (mm)
			DATE

Approve by

Zhulixin

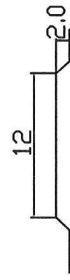
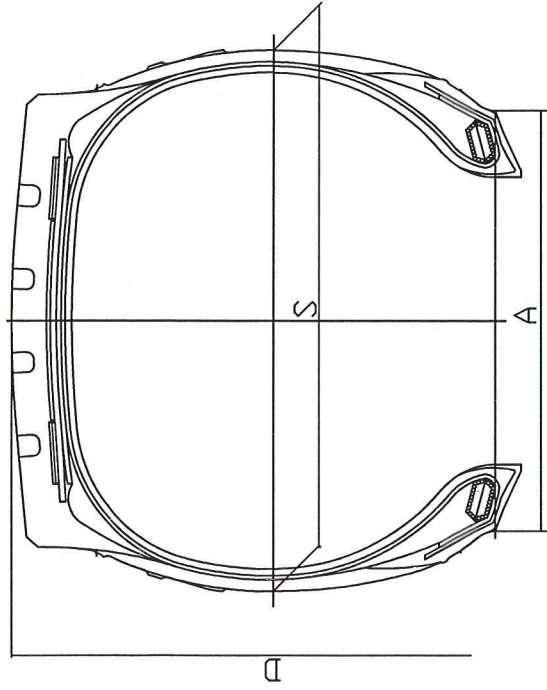
Check by

Limin

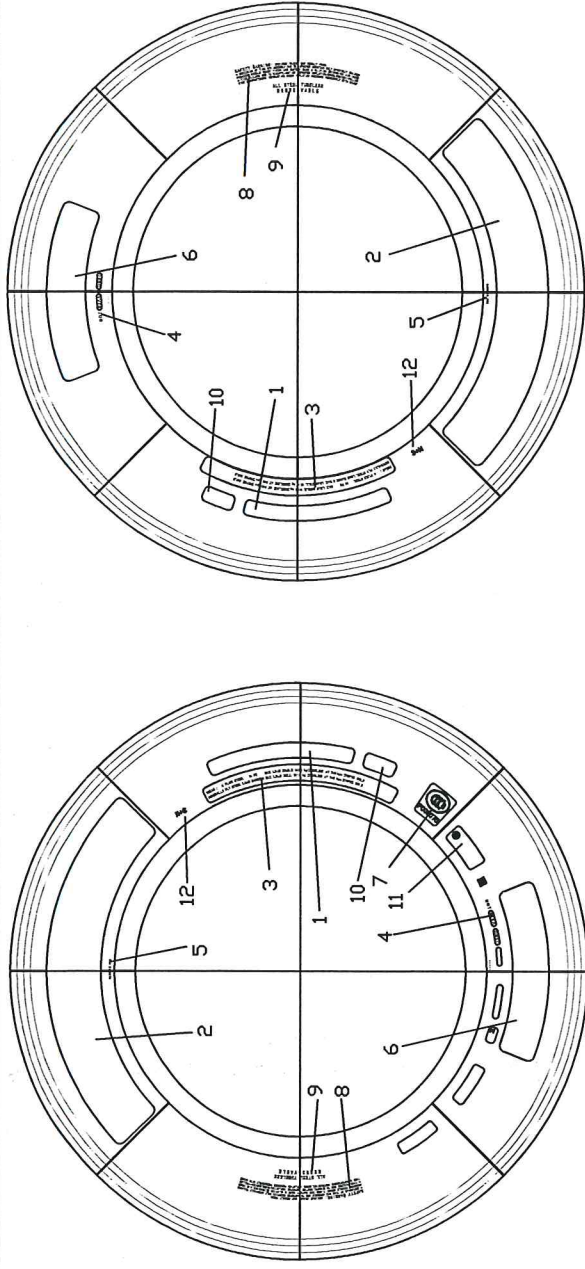
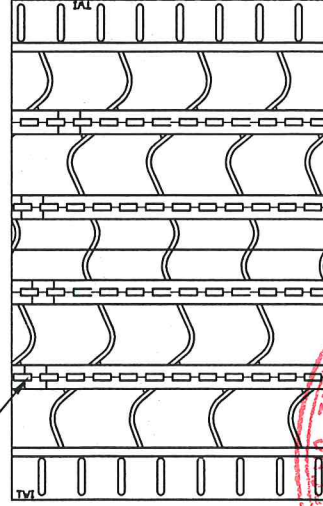
Draft by

Libo

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6-T.W.I, EQUALLY SPACED BOTH HALVES

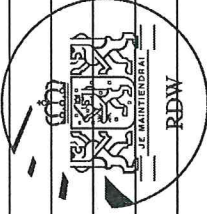


UPPER MOLD

LOWER MOLD

12	M+S
11	ECE APPROVAL MARK
10	148/145M
9	ALL STEEL TUBELESS REGROOVABLE RADIAL
8	SAFETY WARNING:
7	CCC
6	HF618 or ST618 or VI-618 or TQ618 or HH118 or HM118 or GT618 or TH618 or TM618 or CV618 or JA-618 or LX618 or NY618 or X-F05+ or HT-09+ or OH908+ or MG618 or HO118 or GTC816 or CH8816
5	MADE IN CHINA
4	DOT *** (DATE CODE) DOT *** **
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE/3150Kg (6940 LBS) AT 850 kpa (123PSI) COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL/2900Kg (6395 LBS) AT 850 kpa (123PSI) COLD
2	CHANGFENG or SUNFULL or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MIGEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL or CACHLAND
1	11R22.5

LOWER MOLD				UPPER MOLD			
11R22.5	146/143	M	TL	1050	279	209.6	2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D(mm)	S(mm)	A(mm)	DATE

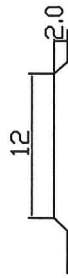
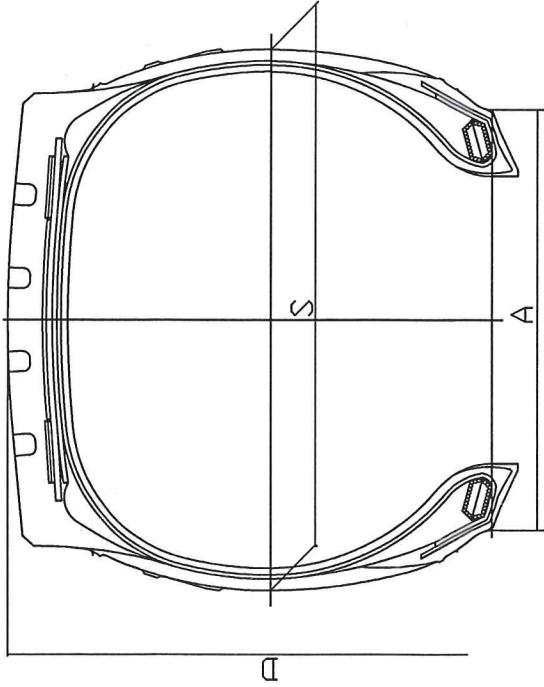


Approve by Zhulixin

Check by Limin

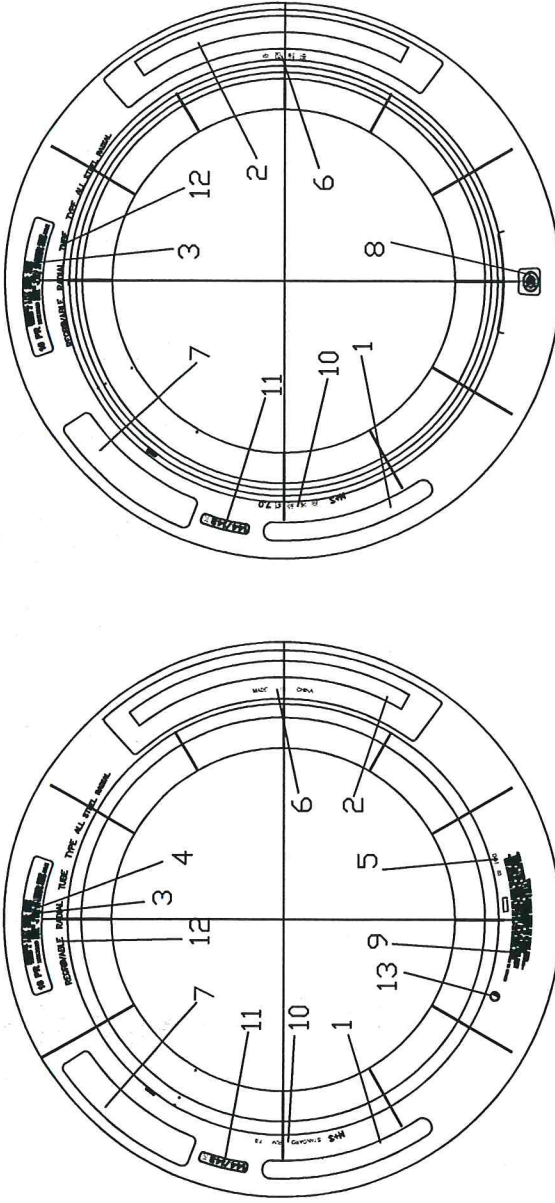
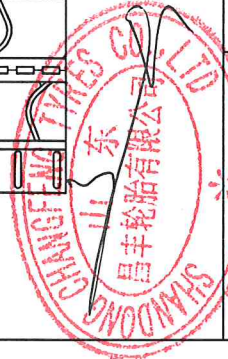
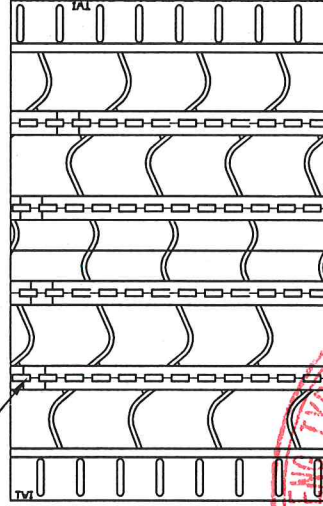
Draft by Libo

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A-A'

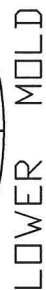
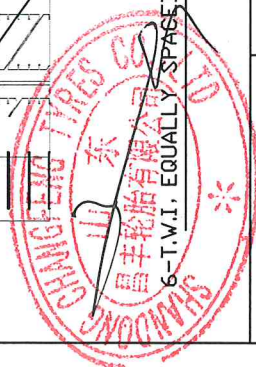
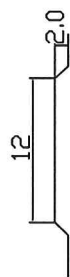
6-T.W.I, EQUALLY SPACED BOTH HALVES



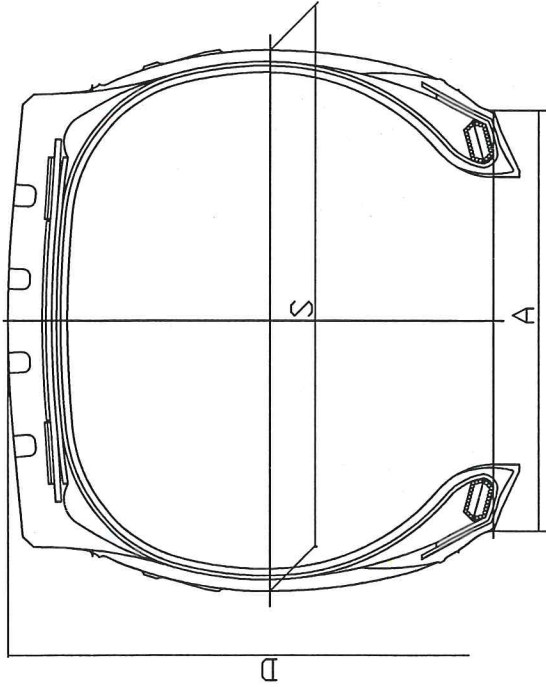
UPPER MOLD

LOWER MOLD

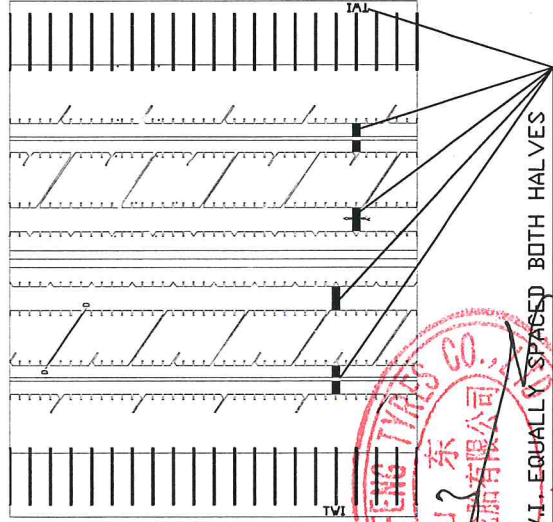
13	ECE APPROVAL MARK	-----					
12	REGROOVABLE RADIAL TUBELESS ALL STEEL RADIAL						
11	148/145M						
10	M+S STANDARD RIM 8.25						
9	SAFETY WARNING:	-----					
8	-----	CCC					
7	HF618 or ST618 or VI-618 or TQ618 or HH118 or GT618 or TH618 or TM618 or CV618 or JA-618 or LX618 or NY618 or X-F05+ or HT-09+ or OH908+ or MG618 or HQ118 or GTC816 or CH8816						
6	MADE IN CHINA						
5	DOT ***** (DATE CODE)	-----					
4	TREAD 4 PLYS STEEL CORD SIDEWALL 1 PLY STEEL CORD						
3	16PR MAX.LOAD SINGLE 3150Kg AT 850 KPa COLD LR.H DUAL 2900Kg AT 850 KPa COLD						
2	CHANGFENG or SUNFULL or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MIGEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL or CACHLAND						
1	11R22.5						
LOWER MOLD		UPPER MOLD					
11R22.5	146/143 M TL	1050 279 209.6 2018-2-8					
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D(mm)	S(mm)	A(mm)	DATE



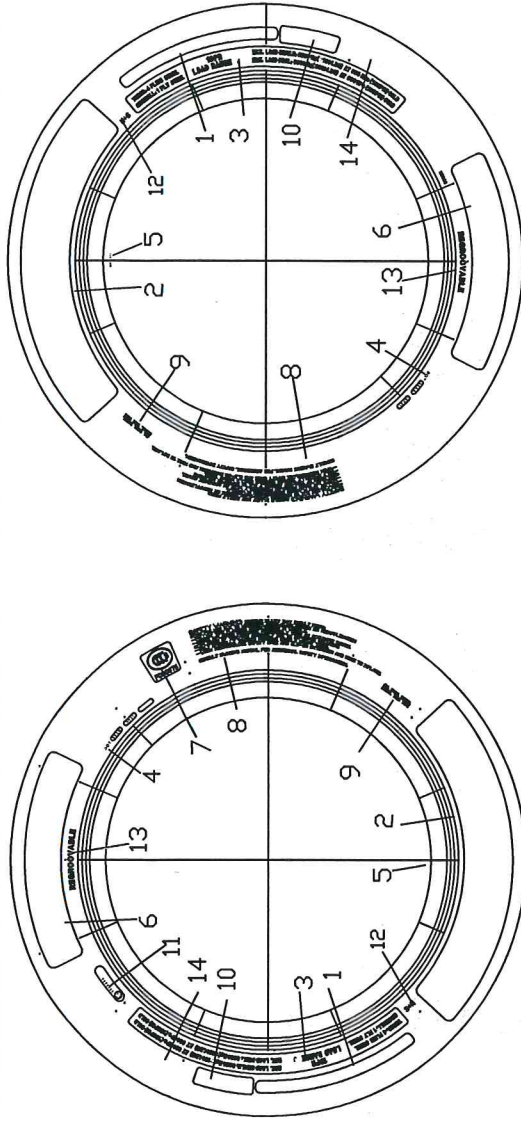
Approve by	Zhulixin	Check by	Limin	Draft by	Libo	Page 12	----
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12
2.0
A-A'



6-T.M.I. EQUALLY SPACED BOTH HALVES



LOWER MOLD UPPER MOLD

14	TUBELESS						
13	REGROOVABLE						
12	M+S						
11	ECE APPROVAL MARK						
10	148/145M						
9	ALL STEEL RADIAL						
8	SAFETY WARNING:						
7	CCC						
6	HF330 or ST330 or VI-330 or TQ330 or HH101 or GT330 or TH330 or TM330 or CV330 or JA-330 or LX330 or N330 or FJ279 or X-F30+ or MG330 or H0101 or GSC033 or CH8033						
5	MADE IN CHINA						
4	DOT *****	***** (DATE CODE)	DOT *****	*****	*****		
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) > AT 850 kpa (< 123PSI) > COLD						
2	CHANGFENG or SUNFULL or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MIGEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL or CACHLAND						
1	11R22.5						
LOWER MOLD			UPPER MOLD				
11R22.5	146/143	M	TL	1050	279	209.6	2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D(mm)	S(mm)	A(mm)	DATE

Approve by

Zhulixin

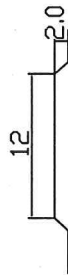
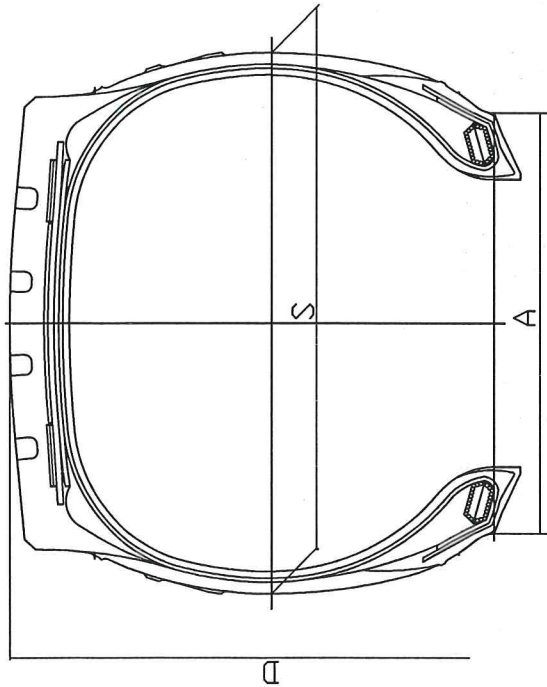
Check by

Limin

Draft by

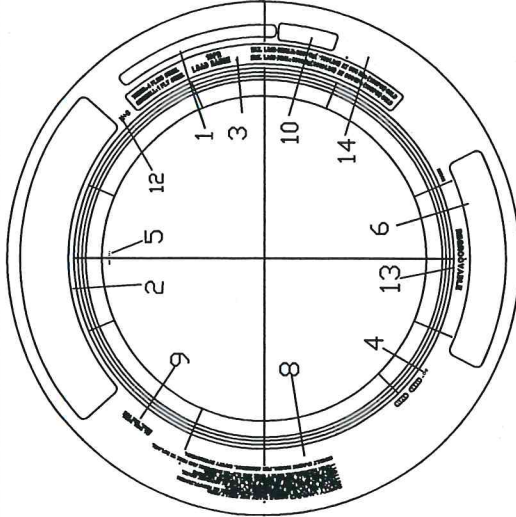
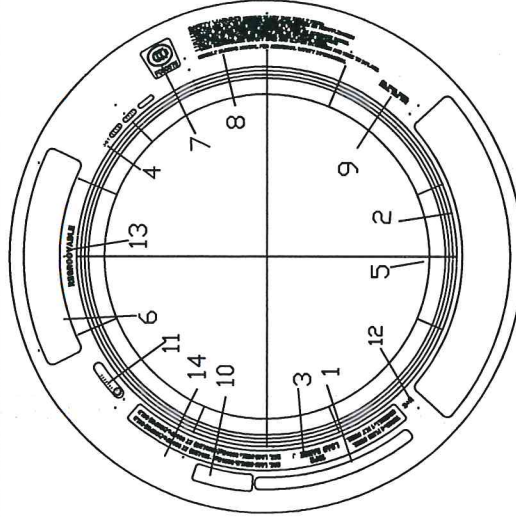
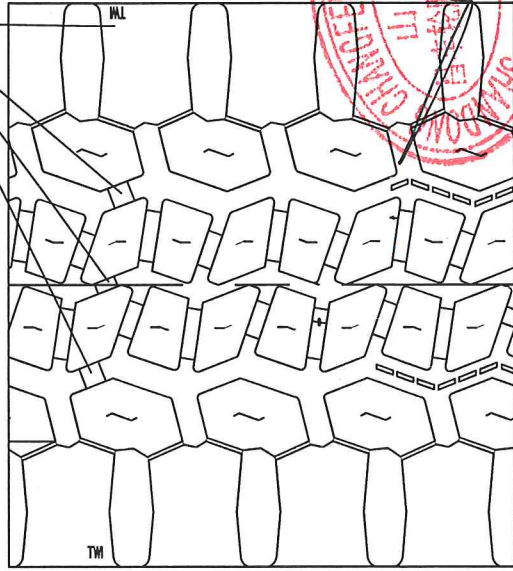
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A-A'

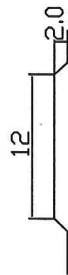
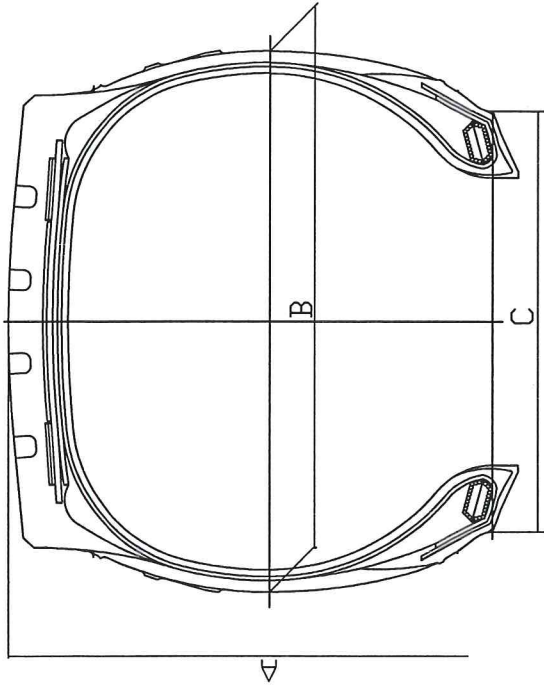
6-T.W.I, EQUALLY SPACED BOTH HALVES



UPPER MOLD

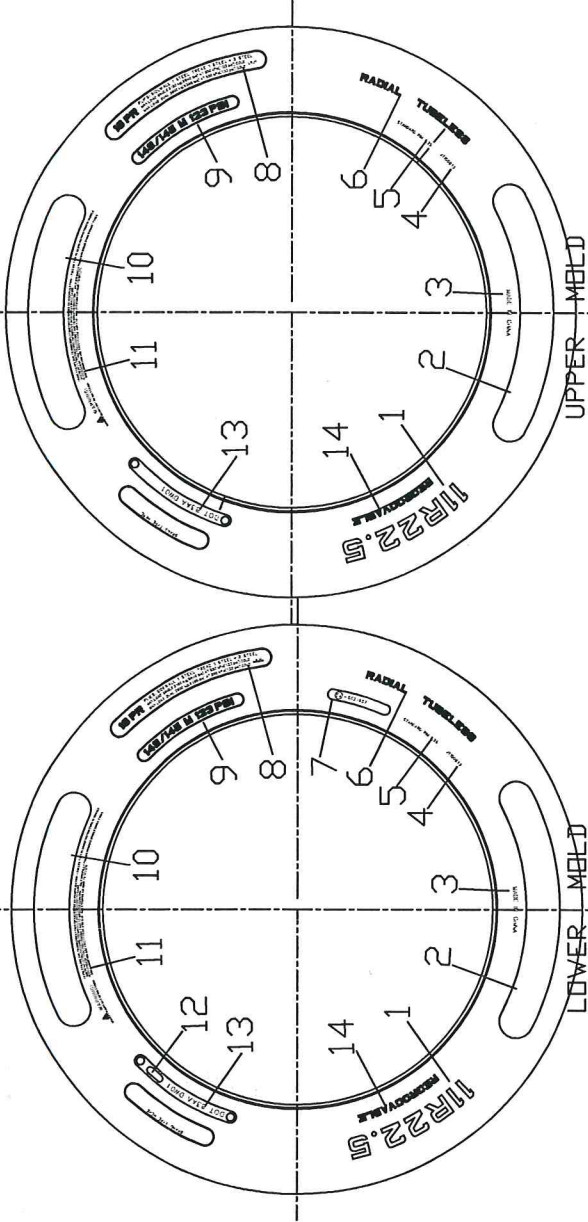
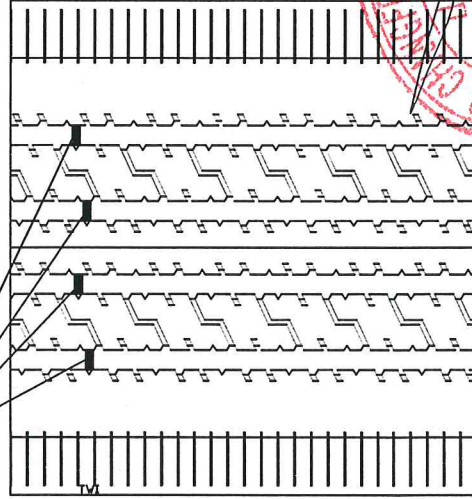
LOWER MOLD

14	TUBELESS						
13	REGROOVABLE						
12	M+S						
11	ECE APPROVAL MARK		-----				
10	148/145M						
9	ALL STEEL RADIAL						
8	SAFETY WARNING:						
7	CCC		-----				
6	HF550 or ST550 or VI-550 or TQ550 or HH350 or HM350 or GT550 or TH550 or CV550 or JA-550 or LY550 or NY550 or X-F28+ or MC550 or HF550						
5	MADE IN CHINA						
4	DOT *****		<DATE CODE>		DOT *****		*****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE-3150Kg (6940 LBS) > AT 850 kpa < 123PSI > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL-2900Kg (6395 LBS) > AT 850 kpa < 123PSI > COLD						
2	CHANGFENG or SUNFULL or RUFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MICEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL						
1	11R22.5		LOWER MOLD		UPPER MOLD		
11R22.5	146/143	M	TL	1050	279	209.6	2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D<mm>	S<mm>	A<mm>	DATE

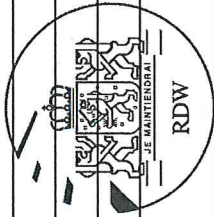


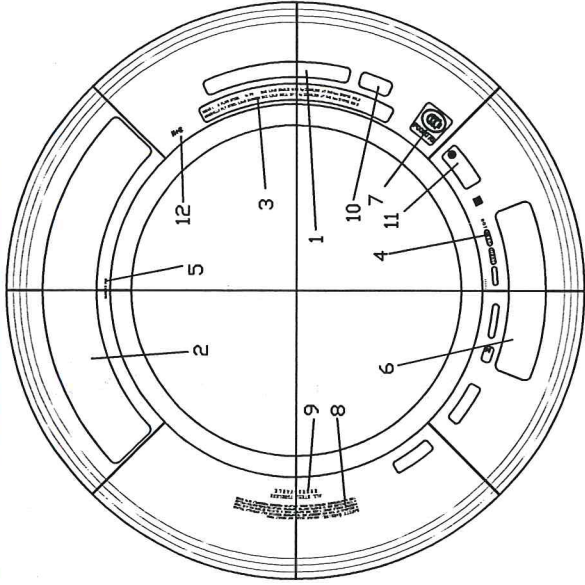
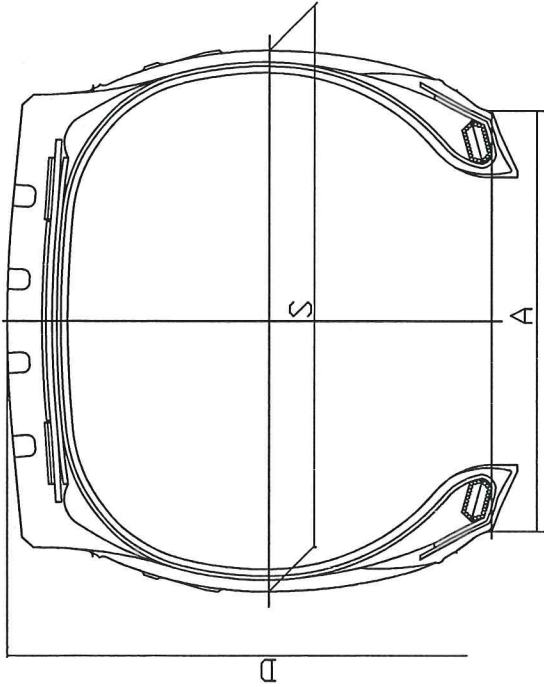
A-A'

6-T.W.I, EQUALLY SPACED BOTH HALVES

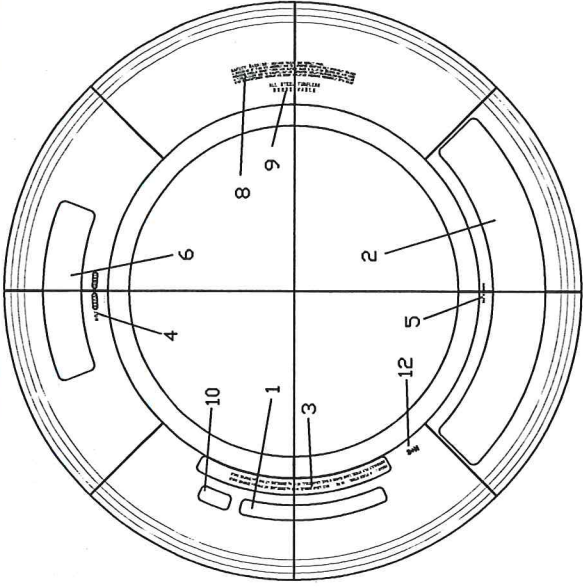


14	REGROOVABLE	M+S
13	DOT	
12	*** (DATE CODE)	---
11	WARNING:	
10	DWS01	
9	148/145 M 123PSI	
8	16PR PLIES SIDEWALL 1 STEEL TREAD 1 STEEL+3 STEEL MAX LOAD SINGLE 3150kg < 6940 LBS > AT 850 kpa < 123PSI > COLD MAX LOAD DUAL 2900kg < 6395 LBS > AT 850 kpa < 123PSI > COLD	LR.H
7	ECE APPROVAL MARK	---
6	RADIAL TUBELESS	
5	STANDARD RIM 8.25	
4	*** (MOLD NUMBER)	
3	MADE IN CHINA	
2	DAEWOO	
1	11R22.5	
LOWER MOLD UPPER MOLD		
11R22.5	148/145	M
LOAD INDEX	TL	1050
SPEED SYMBOL	TYPE	279
TIRE SIZE	A(mm)	209.6
	B(mm)	2018-2-8
	C(mm)	DATE



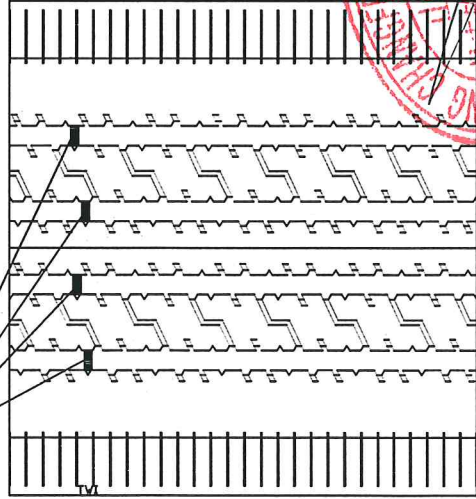


LOWER MOLD

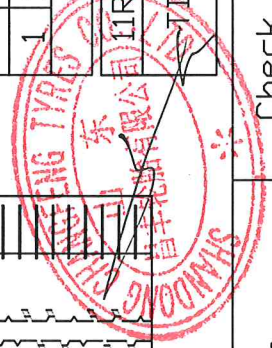


UPPER MOLD

6-T.V.I, EQUALLY SPACED BOTH HALVES

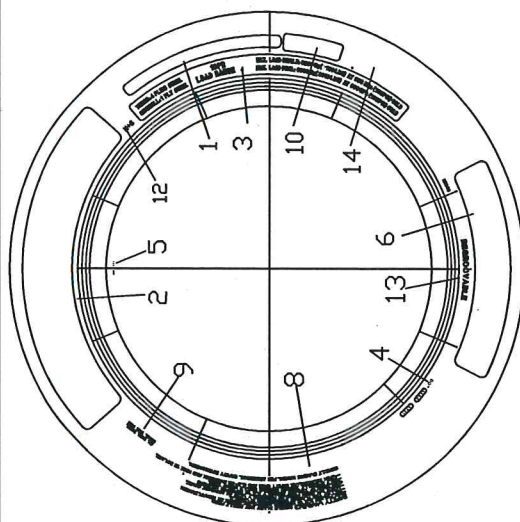
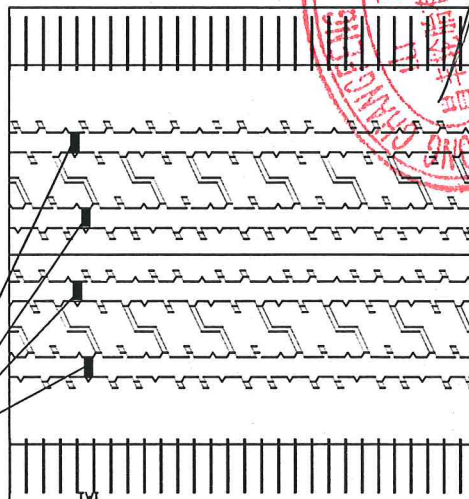


12	M+S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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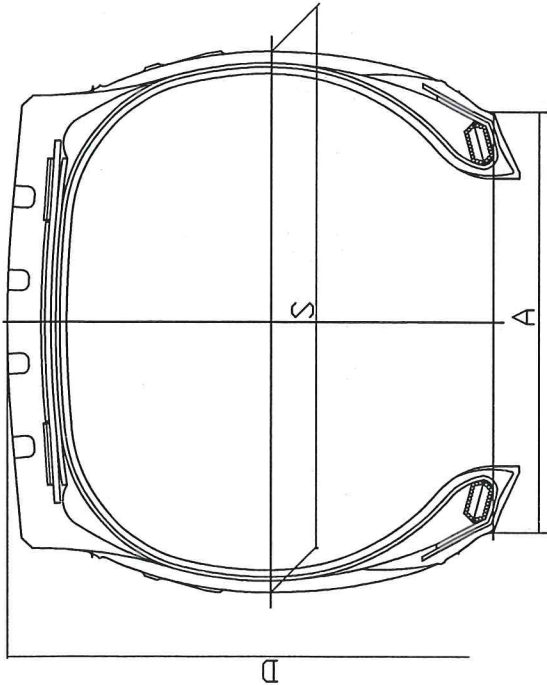
6-T.W.I., EQUALLY SPACED BOTH HALVES



UPPER MOLD

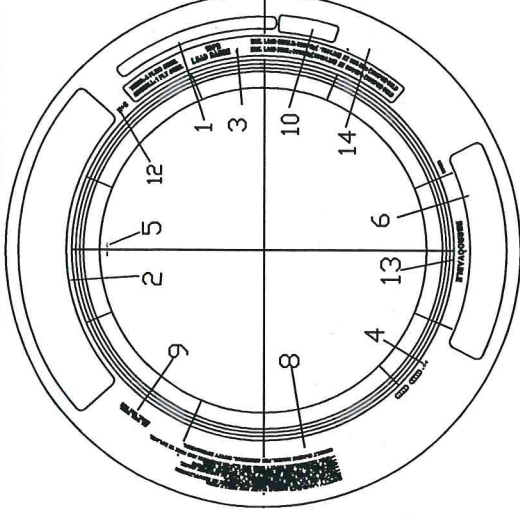
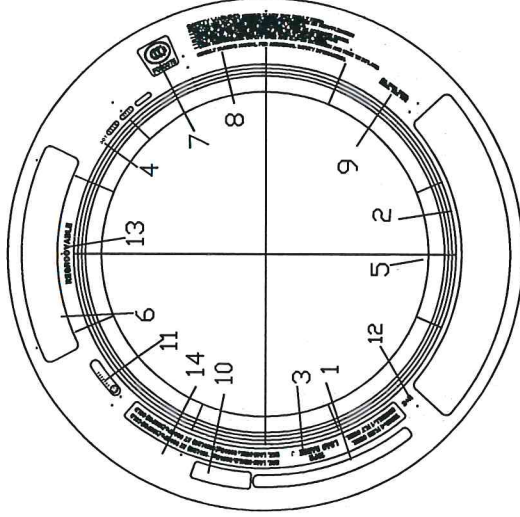
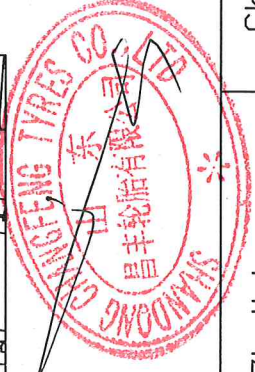
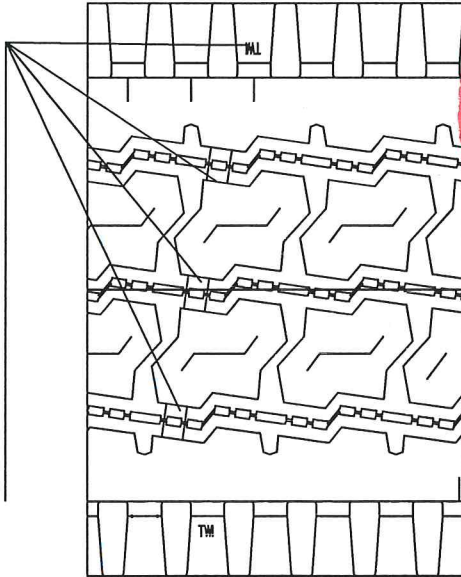
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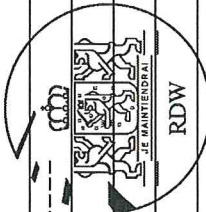
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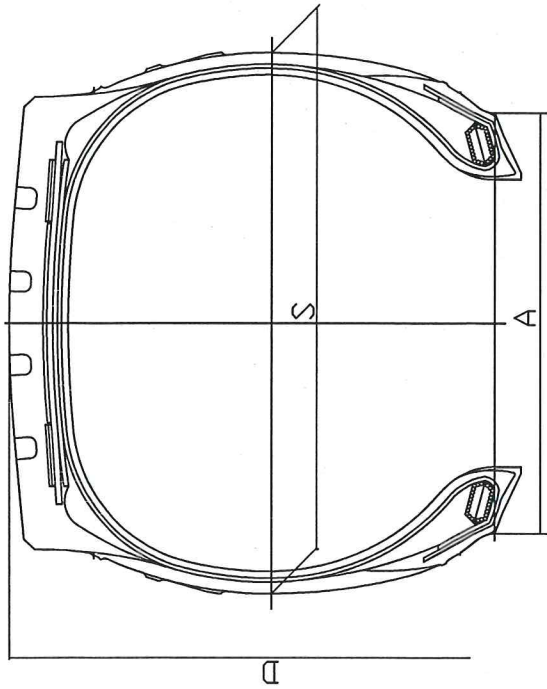


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6-T.W.I. EQUALLY SPACED BOTH HALVES



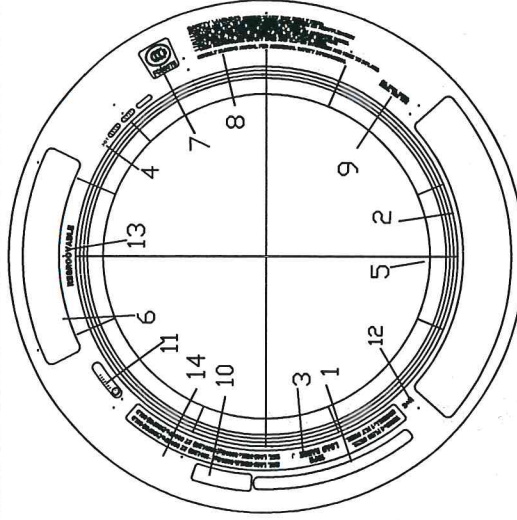
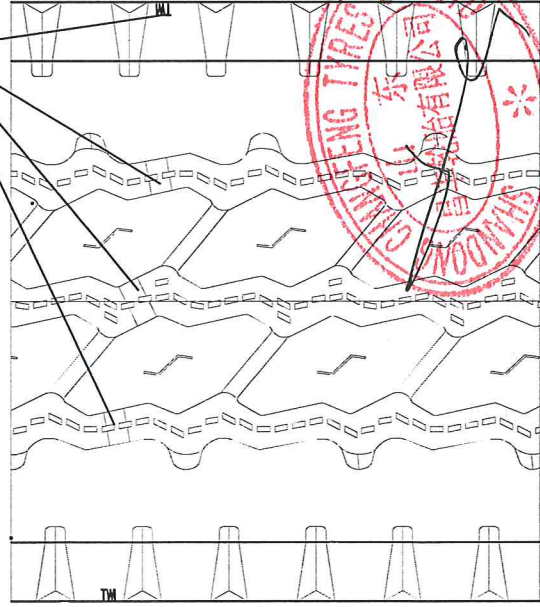
LOWER MOLD				UPPER MOLD			
14	TUBELESS						
13	REGROOVABLE						
12	M+S						
11	ECE APPROVAL MARK						
10	148/145M						
9	ALL STEEL RADIAL						
8	SAFETY WARNING:						
7	CCC			-----			
6	HF770 or ST770 or VI-770 or TQ770 or HH370 or HM370 or G770 or TH770 or LM770 or JA-770 or LX770 or NY770 or F888 or X-F17+ or MG770 or HF770						
5	MADE IN CHINA						
4	DOT *****		<DATE CODE>		DOT *****		*****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) > AT 850 kpa (< 123PSI) > COLD						
2	CHANGFENG or SUNFULL or RUFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MIGEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITURE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL						
1	11R22.5						
LOWER MOLD				UPPER MOLD			
11R22.5	146/143	M	TL	1050	279	209.6	2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D<mm>	S<mm>	A<mm>	DATE



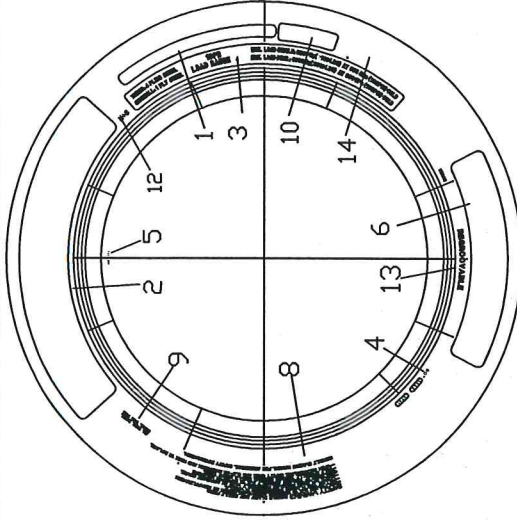
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A-A'

6-T.W.I, EQUALLY SPACED BOTH HALVES



LOWER MOLD



UPPER MOLD

14	TUBELESS			
13	REGROOVABLE			
12	M+S			
11	ECE APPROVAL MARK	-----		
10	148/145M			
9	ALL STEEL RADIAL			
8	SAFETY WARNING:			
7	CCC	-----		
6	HF880 or ST880 or VI-880 or TQ880 or HH380 or HM380 or GT880 or TH880 or TM880 or CV880 or JA-880 or LX880 or NY880 or X-F18+ or MC880 or HF880			
5	MADE IN CHINA			
4	DOT *****	<DATE CODE>	DOT *****	*****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) > AT 850 kpa (< 123PSI) > COLD			
2	CHANGFENG or SUNFULL or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MICEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL			
1	11R22.5			
LOWER MOLD UPPER MOLD				
11R22.5	146/143	M	TL	1050
	LOAD INDEX	SPEED SYMBOL	TYPE	D(mm)
				S(mm)
				A(mm)
				DATE

Approve by

Zhulixin

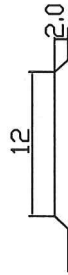
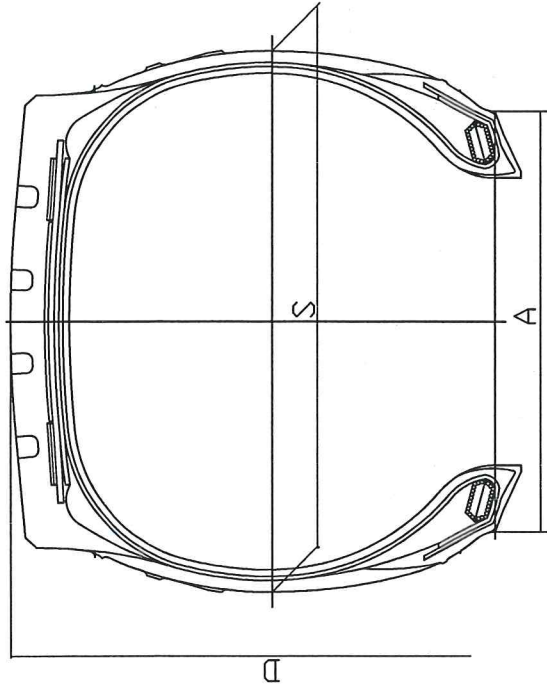
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Limin

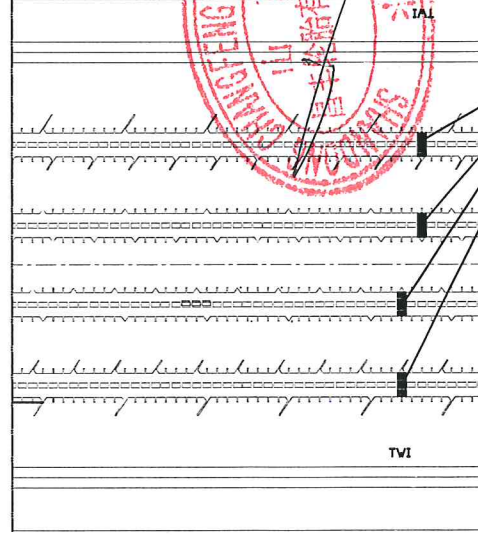
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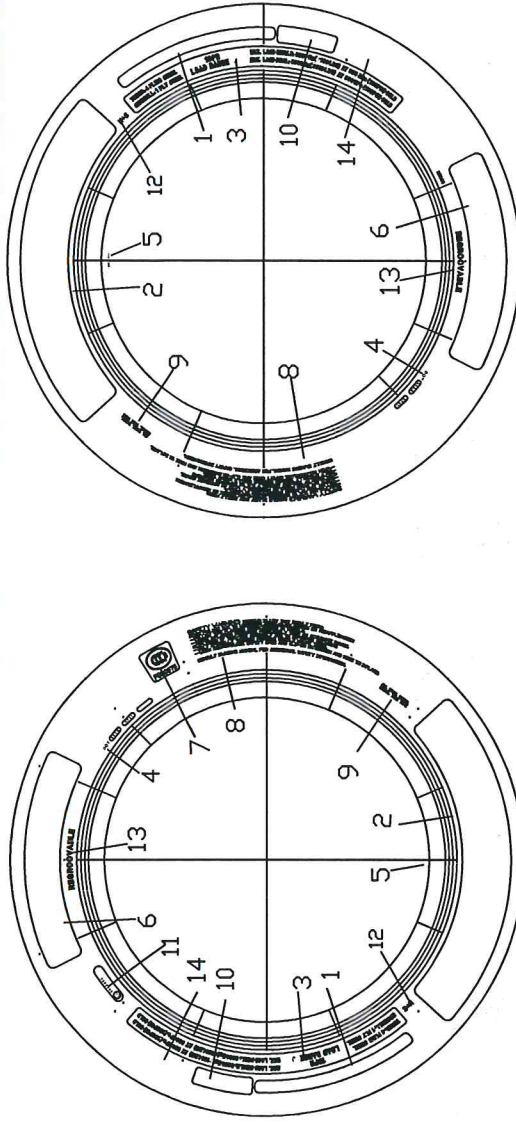
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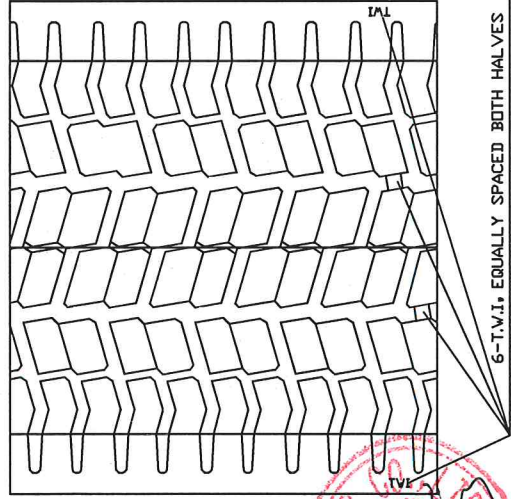
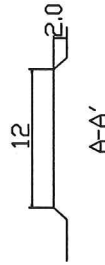
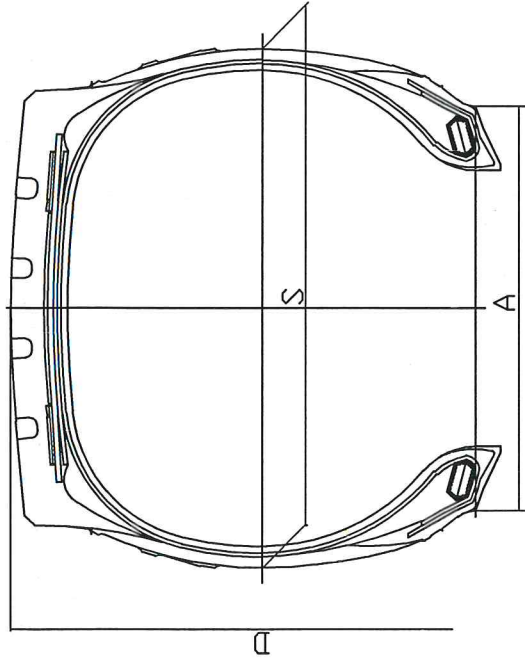
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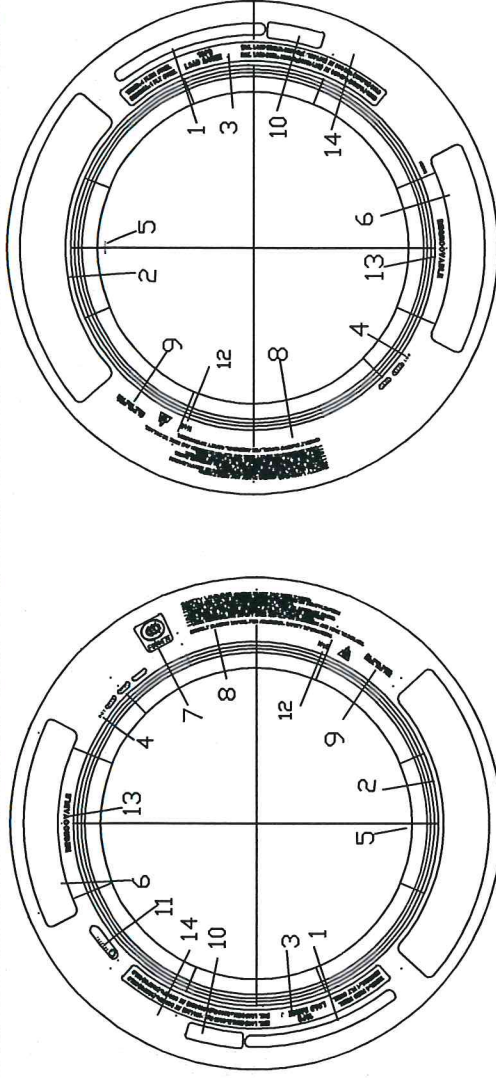
6-T.W.I, EQUALLY SPACED BOTH HALVES



14	TUBELESS	LOWER MOLD	UPPER MOLD
13	REGROOVABLE		
12	M+S		
11	ECE APPROVAL MARK		
10	148/145M		
9	ALL STEEL RADIAL		
8	SAFETY WARNING:		
7	CCC		
6	HF990 or ST990 or VI-990 or TQ990 or HH103 or HM103 or GT990 or TH990 or CV990 or JA-990 or LY990 or NY990 or X-F10+ or MG990 or H0103 or MC990 or CS756		
5	MADE IN CHINA		
4	DOT ***** (DATE CODE)	DOT *****	*****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE 3150Kg (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL 2900Kg (6395 LBS) > AT 850 kpa (< 123PSI) > COLD		
2	CHANGFENG or SUNFIRE or RUIFULAI or FESITE or Green dragon or Agate or SINOTYRE or OVATION or TORQUE or HIFLY or MICEER or GALLANT or TOWNHALL or TEMPO or CONVOY or BRIC or LEXANI or ONYX or FUJITIRE or UNIX or ZEETEX or OTANI or ECOVISION or MIRAGE or CRYSTAL or CRYSTAL		
1	11R22.5	LOWER MOLD	UPPER MOLD
11R22.5	146/143 M	TL	1050
	LOAD INDEX	TYPE	D(mm)
	SPEED SYMBOL	S(mm)	A(mm)
	TIRE SIZE		DATE



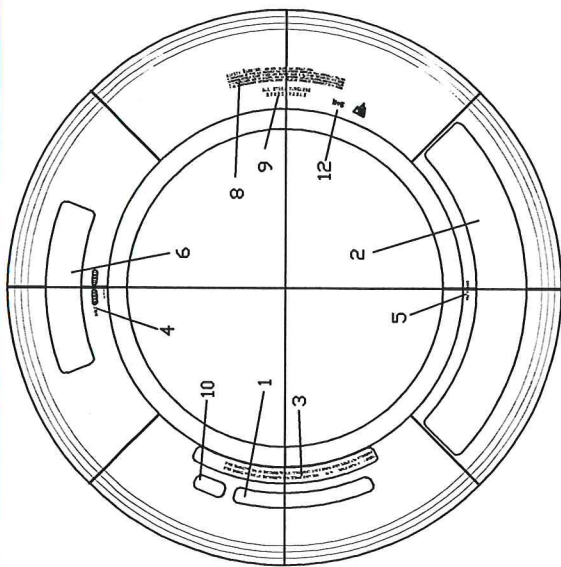
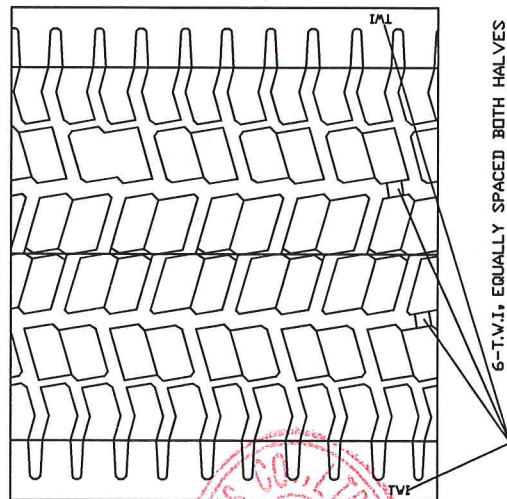
6-T.W.I., EQUALLY SPACED BOTH HALVES



14	TUBELESS	UPPER MOLD
13	REGROOVABLE	
12	M+S	
11	ECE APPROVAL MARK	
10	148/145M	
9	ALL STEEL RADIAL	
8	SAFETY WARNING:	
7	CCC	
6	HH309 or VI-628 or MG628 or TQ628 or H0309 or HF628 or TZ-09+ or CH8826 or GDC826	
5	MADE IN CHINA	
4	DOT ***** (DATE CODE) DOT *****	
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) > AT 850 kpa (< 123PSI) > COLD	
2	HIFLY or OVATION or ECOVISION or MIRAGE or TORQUE or ONYX or SUNFULL or CHANGFENG or RUIFULAI or Agate or FESITE or Green dragon or CRYSTAL or FULLWAY or DAEWOO or ZEETEX or CACHLAND or GALLANT	
1	11R22.5	
LOWER MOLD		UPPER MOLD

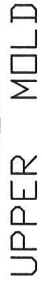
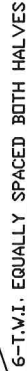
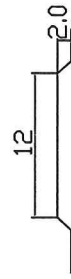
11R22.5	146/143	M	TL	1050	279	209.6	2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL	TYPE	D(mm)	S(mm)	A(mm)	DATE

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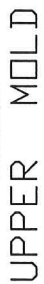
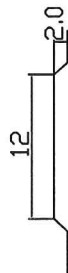


UPPER MOLD

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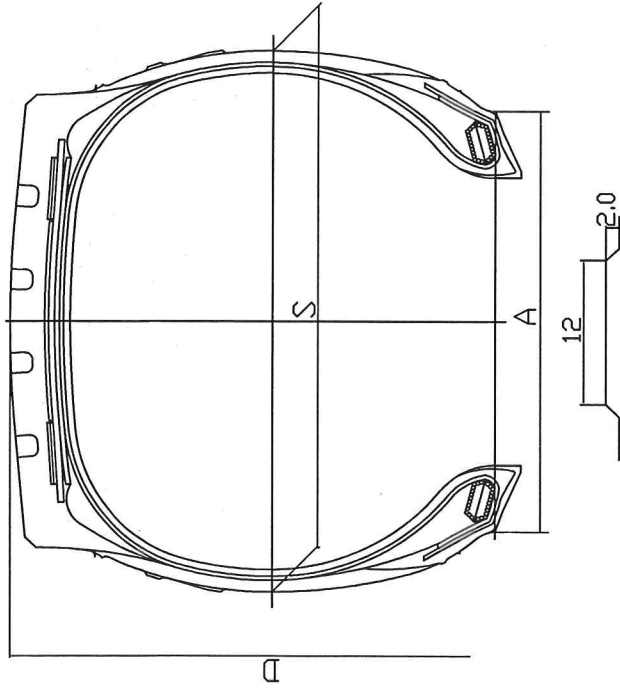


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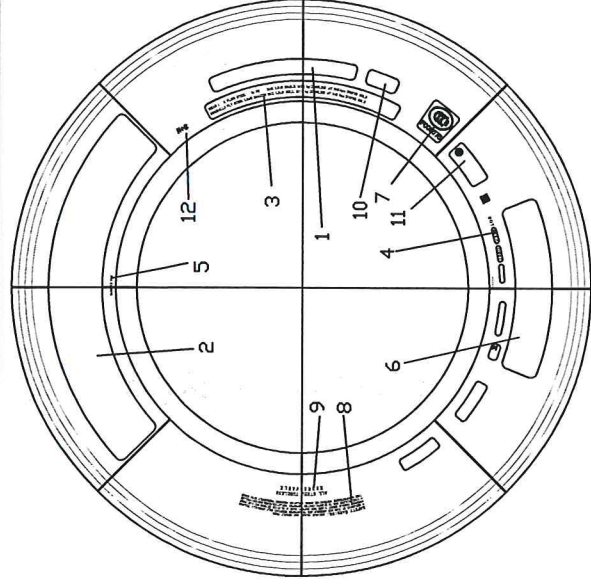
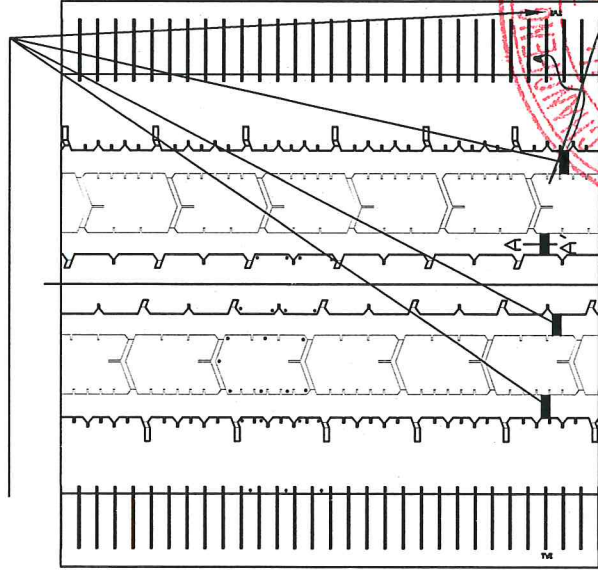


12	M+S
11	ECE APPROVAL MARK -----
10	148/145M
9	ALL STEEL TUBELESS REGROOVABLE RADIAL
8	SAFETY WARNING:
7	CCC -----
6	HH111 or V-111 or MG111 or TQ111 or H0111 or CH8111 or GSC111
5	MADE IN CHINA RDW
4	DOT ***** <DATE CODE> DOT ***** *****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE<3150Kg G6940 LBS > AT 850 kpa < 123PSI > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL<2900Kg G6395 LBS > AT 850 kpa < 123PSI > COLD
2	HIFLY or OVATION or ECOVISION or MIRAGE or TORQUE or ONYX or SUNFULL or CHANGFENG or RUIFULAI or AGATE or FESITE or Green dragon or CRYSTAL or FULLWAY or DAEWOO or ZEETEX or CACHLAND or GALLANT
1	11R22.5
LOWER MOLD UPPER MOLD	
11R22.5	146/143 M TL 1050 279 209.6 2018-2-8
TIRE SIZE	LOAD INDEX SPEED SYMBOL TYPE D(mm) S(mm) A(mm) DATE

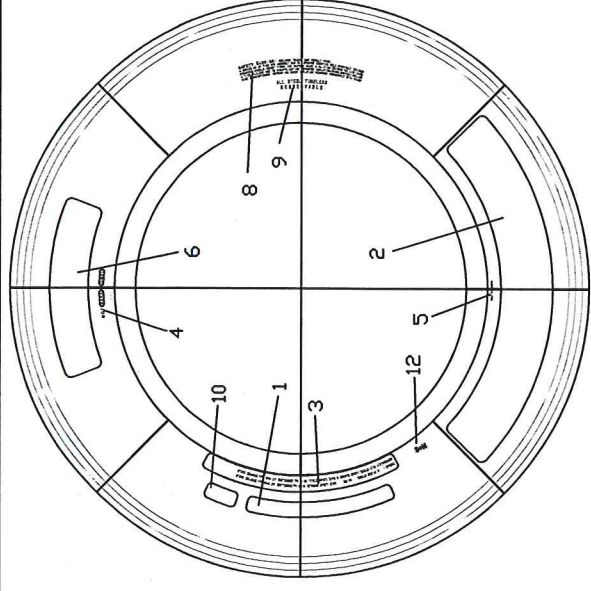
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6-T.V.I., EQUALLY SPACED BOTH HALVES

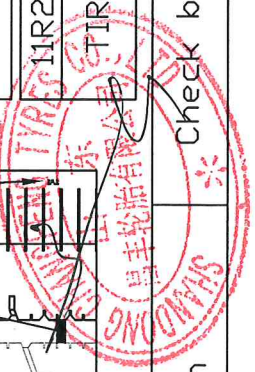
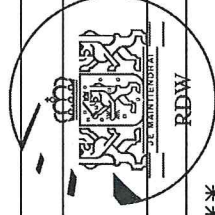


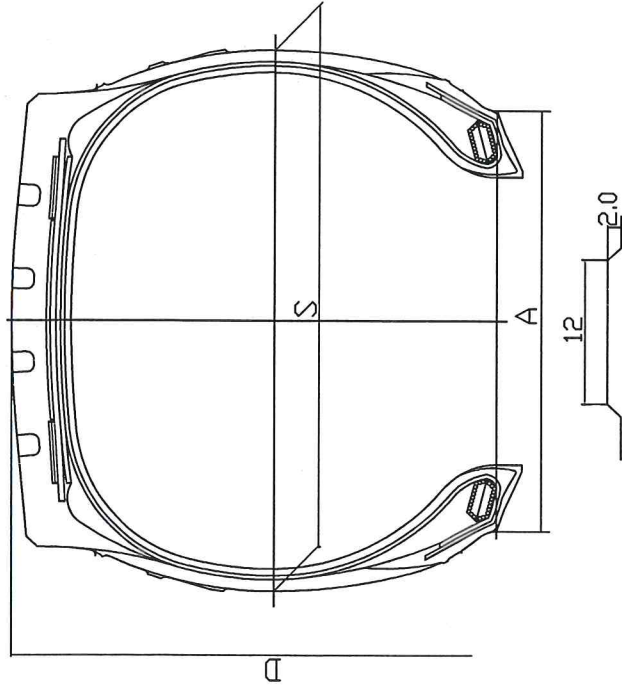
LOWER MOLD



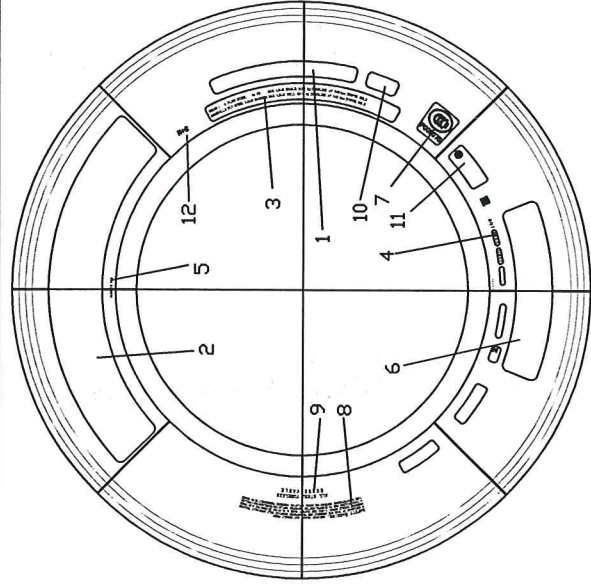
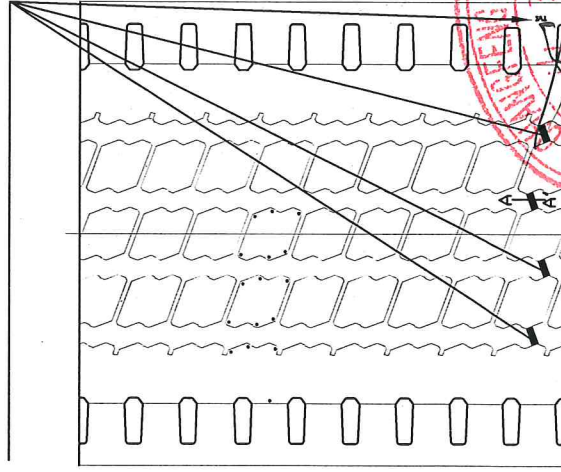
UPPER MOLD

12	M+S	
11	ECE APPROVAL MARK	-----
10	148/145M	
9	ALL STEEL TUBELESS REGROOVABLE RADIAL	
8	SAFETY WARNING:	
7	CCC	-----
6	HH109 or HM109 or H0109 or HF109 or MG109 or VI-109	
5	MADE IN CHINA	
4	DOT ***** (DATE CODE)	DOT ***** *****
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE 3150KG (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL 2900KG (6395 LBS) > AT 850 kpa (< 123PSI) > COLD	
2	HIFLY or OVATION or ECOVISION or MIRAGE or TORQUE or ONYX or SUNFULL or CHANGFENG or RUIFULAI or Agate or FESITE or Green dragon or CRYSTAL or FULLWAY or DAEWOO or ZEETEX	
1	11R22.5	
LOWER MOLD UPPER MOLD		
11R22.5	146/143 M	TL 1050 279 209.6 2018-2-8
TIRE SIZE	LOAD INDEX SPEED SYMBOL	TYPE D(mm) S(mm) A(mm) DATE

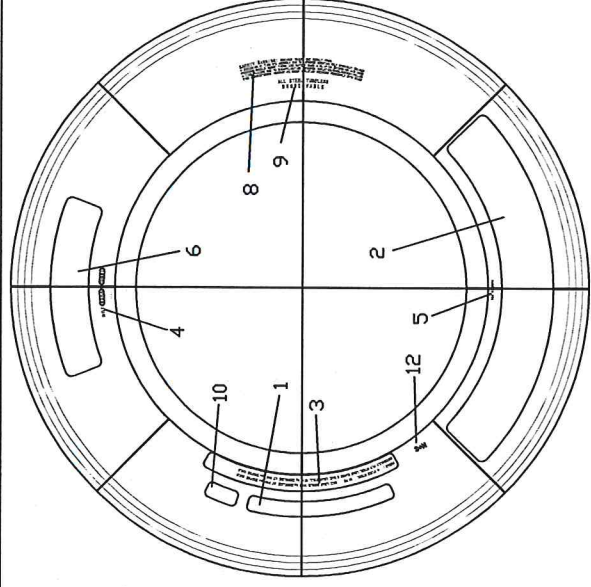




6-T.V.I. EQUALLY SPACED BOTH HALVES

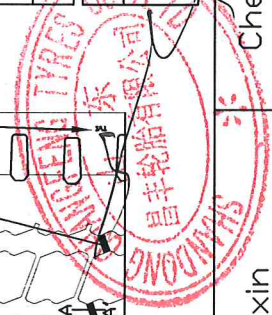
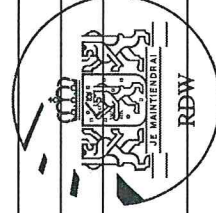


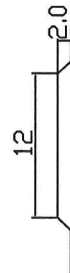
LOWER MOLD



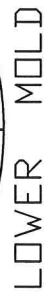
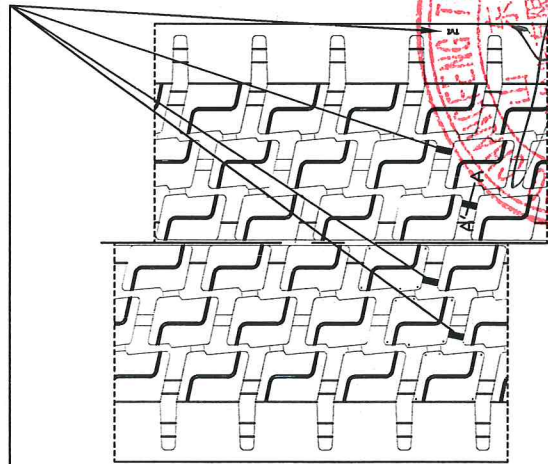
UPPER MOLD

12	M+S	
11	ECE APPROVAL MARK	-----
10	148/145M	
9	ALL STEEL TUBELESS REGROOVABLE RADIAL	
8	SAFETY WARNING:	
7	CCC	-----
6	HH108 or HM108 or H0108 or HF108 or MG108 or VI-108	
5	MADE IN CHINA	
4	DOT **** (DATE CODE) DOT ****	
3	TREAD 4 PLYS STEEL 16PR MAXLOAD SINGLE3150Kg (6940 LBS) > AT 850 kpa (< 123PSI) > COLD SIDEWALL 1 PLY STEEL LOAD RANGE H MAXLOAD DUAL2900Kg (6395 LBS) > AT 850 kpa (< 123PSI) > COLD	
2	HIFLY or OVATION or ECOVISION or MIRAGE or TORQUE or ONYX or SUNFULL or CHANGFENG or RUIFULAI or Agate or FESITE or Green dragon or CRYSTAL or FULLWAY or DAEWOO or ZEETEX	
1	11R22.5	
LOWER MOLD		UPPER MOLD
11R22.5	146/143 M	TL 1050 279 209.6 2018-2-8
TIRE SIZE	LOAD INDEX	SPEED SYMBOL
		TYPE D(mm) S(mm) A(mm) DATE





6-T.W.I, EQUALLY SPACED BOTH HALVES

Page 27 ---

Type : 11R22.5
Manufacturer : Shandong Changfeng Tyres Co., Ltd.

Test report according to the Agreement of the United Nations on the approximation of the laws of the Member States relating to the component type approval ECE-R54 of pneumatic tyres for commercial vehicles and their trailers

1. General information

- 1.1. Manufacturer's name and address : Shandong Changfeng Tyres Co., Ltd.
High-tech Development Zone,
Guangrao County, Dongying City,
SHANDONG PROVINCE, 257335,
China (PROC)
- 1.2. Trade mark : CHANGFENG; SUNFULL; RUIFULAI;
FESITE; Agate; Green dragon;
SINOTYRE; OVATION; TORQUE;
HIFLY; MIGEER; GALLANT; OTANI;
TOWNHALL; TEMPO; CONVOY; BRIC;
LEXANI; ONYX; FUJITIRE; UNIX;
ZEETEX ; FULLWAY; DAEWOO;
ECOVISION; MIRAGE; CRYSTAL;
SATOYA; PETROMAX; Satoya;
CACHLAND; GALLANT
- 1.3. Tread pattern : HF188; ST188; VI-188; TQ188; HH188;
HM188; GT188; TH188; TM188; CV188;
JA-188; LX188; NY188; X-F16+; HF618;
ST618; VI-618; TQ618; HH118; HM118;
GT618; TH618; TM618; CV618; JA-618;
LX618; NY618; X-F05+; HT-09+;
OH908+; HF606; ST606; VI-606;
TQ606; HM101; TM101; GT606; TH606;
TM606; CV606; JA-606; LX606; NY606;
FJ02; X-F02+; HT-03+; OH900+;
HF330; ST330; VI-330; TQ330; HH101;
HM101; GT330; TH330; TM330; CV330;
JA-330; LX330; NY330; FJ279; X-F30+;
HF550; ST550; VI-550; TQ550; HH350;
HM350; GT550; TH550; TM550; CV550;
JA-550; LX550; NY550; X-F28+; HF660;
ST038; VI-660; TQ660; HH102; HM102;
GT660; TH660; TM660; CV660; JA-660;
LX660; NY660; FJ889; X-F25+; HT-10+;
OH909+; HF770; ST770; VI-770;



Test Report
No. : CS054-G0-2018-00260
ECE Regulation No.54



Type : **11R22.5**
Manufacturer : **Shandong Changfeng Tyres Co., Ltd.**

TQ770; HH370; HM370; GT770; TH770;
TM770; CV770; JA-770; LX770; NY770;
FJ888; X-F17+; HF880; ST880; VI-880;
TQ880; HH380; HM380; GT880; TH880;
TM880; CV880; JA-880; LX880; NY880;
X-F18+; HF990; ST990; VI-990; TQ990;
HH103; HM103; GT990; TH990; TM990;
CV990; JA-990; LX990; NY990; X-F10+;
HF638; ST032; VI-638; TQ638; HH308;
HM308; GT638; TH638; TM638; CV638;
JA-638; LX638; NY638; FJ659; X-F06+;
TZ-06+; OR805+; HT-12+; TB660;
DWS01; MG188; MG618; MG606;
CS720; MG330; MG550; MG660;
CS760; MG770; MG880; MG990;
MG638; HH108; HM108; HO108;
HF108; MG108; VI-108; HH109; HM109;
HO109; HF109; MG109; VI-109; HH308;
HM308; HO308; HF308; MG308; VI-
308; HH309; VI-628; MG628; TQ628;
HO309; HF628; TZ-09+; HH312; VI-312;
MG312; TQ312; HO312; HF312;
HH111; VI-111; MG111; TQ111; HO111;
HF111; HH301; VI-702; MG702; TQ702;
HO301; HF702; CS716; TB901;
DWA02; LZ-01+; DWD02; HO118;
HO101; HO104; HO102; HH308A;
HM308A; HO308A; HO103; CS756;
CS504; HO552; HO558; GD660; PT501;
CH8033; CH8066; CH8606; CH8111;
CH8816; CH8207; CH8836; CH8826;
CH8213; GSC083; GSC066; GSC606;
GSC111; GTC816; GAM207; GDC836;
GDC826; GDC213

- 1.4. Size designation
- 1.5. Category of use
- 1.6. Speed category



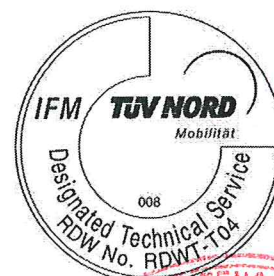
: **11R22.5**
: **snow**
: **nominal : M , supplementary:**



Type : **11R22.5**

Manufacturer : **Shandong Changfeng Tyres Co., Ltd.**

- 1.7. Load-Capacity Indices : single : 148, twinned : 145
corresponding to nominal speed
corresponding to supplementary speed single : ---, twinned : ---
- 1.8. Indication : tubeless
- 1.9. Test object received : -
- 1.10. Test location : Shandong Changfeng Tyres Co., Ltd.
High-tech Development Zone,
Guangrao County, Dongying City,
SHANDONG PROVINCE, 257335,
China (PROC)
- 1.11. Remarks concerning tested object(s) : ---



Type : 11R22.5
Manufacturer : Shandong Changfeng Tyres Co., Ltd.

- 2. Final Conclusion** : Refer to TÜV Rheinland test report 86-R54-1811/15-00 corresponding to Type approval No: E4-54R-0021557 Ext 05
- 2.1. Marking : Pass / Fail
- 2.2. Measurement : Pass / Fail
- 2.3. Load / Speed performance test : Pass / Fail
Tread separation, ply separation, cord separation, : Yes / No
chunking or broken cords

3. Statement of conformity

The type described in this test report and the appendices attached are in compliance with the Test Specification mentioned above.

The samples / test vehicles used, were representative in terms of the type to be approved.

The Test Report comprises pages 1 to 5.

The Test Report shall be reproduced and published in full only and by the client only. It shall be reproduced partially with the written permission of the Test Laboratory only.

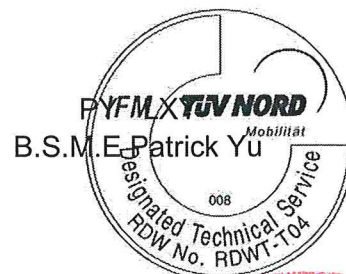
TEST LABORATORY

TÜV NORD Mobilität GmbH & Co. KG
IFM - Institut für Fahrzeugtechnik und Mobilität,
Schönscheidtstr. 28, D-45307 Essen

Designated Technical Service
RDW No. RDWT-T04

Shanghai, March 12, 2018

Patrick Yu



Test Report
No. : CS054-G0-2018-00260
ECE Regulation No.54



Type : 11R22.5

Manufacturer : Shandong Changfeng Tyres Co., Ltd.

List of modifications

Appendix 1

More details for application of : Date : March 12, 2018

Correction of : -

Modification of : -

Addition of : brand names and tread patterns. Addition of
"Alpine" marking.

Deletion of : -

