

轮胎以速度 $130\text{ km}\cdot\text{h}^{-1}$ 运行68 min后胎冠局部脱落,达到设计要求。

5 结论

针对客运市场用户更加注重运输安全性及运营效率的特点,11R22.5长途大巴子午线轮胎采用加强胎体设计,轮胎抗冲击和抗刺扎能力较普通产品提升20%,显著降低轮胎意外损坏几率。同时,优化的轮廓设计、花纹沟槽设计及胶料配方设

计提高了轮胎的湿地抓着性能和耐磨性能,提升了客户的满意度。

参考文献:

- [1] 张志强. 385/55R22.5低滚动阻力、低噪声宽基全钢载重子午线轮胎的设计[J]. 轮胎工业, 2019, 39(8): 470-473.
- [2] 梁晖, 王国林, 梁晨, 等. 行驶面宽度和弧度高对轮胎偏磨损影响的有限元分析[J]. 橡胶工业, 2019, 66(3): 207-212.

收稿日期: 2020-04-27

Design on 11R22.5 Long-distance Bus Radial Tire

HUANG Ruijiao, SUI Bin, GONG Jinrong, WANG Xiumei

(Qingdao Doublestar Tire Industry Co., Ltd., Qingdao 266400, China)

Abstract: The design on 11R22.5 long-distance bus radial tire was introduced. In the structure design, the following parameters were taken: overall diameter 1 053 mm, cross-sectional width 288 mm, width of running surface 226 mm, arc height of running surface 6.5 mm, bead diameter at rim seat 569.5 mm, bead width at rim seat 228 mm, maximum width position of cross-section (H_1/H_2) 0.86, using 4 longitudinal grooves for tread design, pattern depth 17.5 mm, block/total ratio 76%, and number of pattern pitches 40. In the construction design, the following processes were taken: layered design for tread, $3\times 0.20+6\times 0.35$ HT steel cord for 1[#] and 2[#] belt, 5×0.30 HI steel cord for 3[#] belt, $3\times 7\times 0.20$ HE steel cord for 0° belt, $3+9+15\times 0.175+0.15$ NT steel cord for carcass, using one-stage building machine to build tire, and hot plate curing press equipped with nitrogen to cure tire. It was confirmed by the finished tire test that, the inflated peripheral dimension, strength performance, endurance performance and high-speed performance met the requirements of national standards and corresponding design.

Key words: long-distance bus radial tire; structure design; construction design; finished tire performance

中策泰国开业5周年

日前,中策橡胶集团有限公司(简称中策橡胶)泰国工厂迎来开业5周年纪念日。截至目前,中策橡胶泰国工厂轮胎年产量达到1 320万条,产品包括乘用车轮胎、全钢载重子午线轮胎、工程机械轮胎、摩托车轮胎、斜交轮胎及工业车辆轮胎5个系列,拥有ARISUN, GOODRIDE和WEATLAKE等5个品牌1 800多个规格品种。产品销往泰国、新加坡、马来西亚、缅甸、俄罗斯、土耳其、哥伦比亚和美国等58个国家和地区。

从2013年开始,中策橡胶开始加速启动全球化战略布局,相继在海外设立海潮贸易及美国、巴西

和德国贸易分公司。2015年,首个海外生产基地中策橡胶(泰国)有限公司投产。中策橡胶(泰国)有限公司的战略部署为其产能注入了新鲜的血液。总投资达45亿元的中策橡胶(泰国)有限公司位于泰国泰中罗勇工业园,配备了国内外先进的设备,其巨大的产能满足了东南亚客户的实际需求。

2020年2月12日,泰国工厂三期全钢子午线轮胎车间三大土建工程开工奠基。中策橡胶以泰国为据点,全面开拓亚洲市场,多方位、多途径地提升了在当地的市场份额以及品牌轮胎的知名度。

(摘自《中国化工报》, 2020-07-06)