

Design on 435/50R19.5 Tubeless Low Profile Truck and Bus Radial Tire

HOU Xuguo, ZHU Shanping, ZHANG Heng

(Sailun Group Co., Ltd., Qingdao 266500, China)

Abstract: The design on 435/50R19.5 tubeless low profile truck and bus radial tire was introduced. In the structure design, the following parameters were taken: overall diameter 932 mm, cross-section width 448 mm, width of the running surface 375 mm, arc height of running surface 10.3 mm, bead diameter at rim seat 493.5 mm, bead width at rim seat 381 mm, maximum width position of cross-section (H_1/H_2) 0.822, using the design of 6 circumferential grooves for tread, pattern depth 13 mm, block/total ratio 76.1%, and number of pattern pitches 60. In the construction design, the following processes were taken: two-layer fully layered through structure for tread, $3+9\times 0.22+0.15$ steel cord for carcass, 4-layer belt structure with $3\times 0.20+6\times 0.35$ HT steel cord for the transition layer, $3+8\times 0.33$ ST steel cord for the working layer, and 3×0.35 HI steel cord for the protective layer, using two drum capsule building machine to build tires and hot plate hydraulic vulcanization press to cure tires. The indoor test results of the finished tire showed that the inflated peripheral dimension, strength performance and durability met the requirements of national standards, and the high-speed performance met the design requirements.

Key words: truck and bus radial tire; tubeless; low profile; structure design; construction design; finished tire performance

延长与中集首单轮胎贸易落地

日前,随着装载96条轮胎的车辆从陕西延长石油西北橡胶有限责任公司(简称延长石油西北橡胶)发车启程前往安徽芜湖,标志着陕西延长石油物流集团有限公司(简称延长石油物流集团)、延长石油西北橡胶与中集车辆强冠罐车业务集团(简称中集车辆集团)首单轮胎贸易业务落地,进一步扩大了延长轮胎在省外的罐车配套市场。

前期,延长石油物流集团物流运输公司在了解到中集车辆集团轮胎需求后,积极与延长石油西北橡胶对接协调,由延长石油西北橡胶负责技术指标、产品质量,物流运输公司负责销售,兄弟单位携手投标芜湖中集瑞江汽车有限公司轮胎配套业务。经过投标和激烈竞标,最终成功中标并签订轮胎采购合同,其中第1单96条轮胎订单价值8万余元。

据了解,2022年9月23日,延长石油物流集团、延长石油西北橡胶与中集车辆集团签订战略合作协议,三方将在聚乙烯环保运输、汽车轮胎供应、高

端罐车产品等领域开展深入合作。

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双星拟在柬埔寨建轮胎项目

日前,青岛双星集团有限责任公司发布公告称,其控股子公司青岛双星轮胎工业有限公司(简称双星轮胎)拟联合UBE DEVELOPMENT Co., Ltd共同成立双星(柬埔寨)轮胎有限公司,并由该合资公司作为项目实施主体投资建设年产850万条高性能子午线轮胎项目,其中半钢子午线轮胎700万条,全钢子午线轮胎150万条。

据介绍,该项目总投资约14.38亿元,建设期为15个月,主要建设炼胶车间、子午线轮胎车间及其他配套设施。项目建成后,可实现年均营业收入27.56亿元,有利于发挥产品的规模效益,提升双星轮胎在国内外市场的竞争力;同时,新建设的生产线选用当前较先进的生产设备,有利于节约成本,进一步提升制造水平。

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