

子午线轮胎在临界温度下的TKPH值为286,达到设计要求。

5 结语

875/65R29低断面无内胎工程机械子午线轮胎的充气外缘尺寸达到国家标准要求,耐久性能满足国家标准和设计要求,轮胎的TKPH值满足市场使用需求。该产品已经在国外市场得到大量

的使用,销售势头良好,为公司带来新的利润增长点。

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Design on 875/65R29 Low Profile Tubeless Off-The-Road Radial Tire

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Abstract: The design on 875/65R29 low profile tubeless off-the-road radial tire was described. In the structure design, the following parameters were taken: overall diameter 1 868 mm, cross-sectional width 868 mm, width of running surface 810 mm, arc height of running surface 40 mm, bead diameter at rim seat 728 mm, bead width at rim seat 723.9 mm, maximum width position of cross-section (H_1/H_2) 0.84, using E-3 block tread pattern, pattern depth 49 mm, block/total ratio 59.5%, and number of pattern pitches 28. In the construction design, the following processes were taken: winding process for tread compound and base compound, two-wing structure for belt, 3+9+15×0.225+0.15HT steel cord for 1[#] belt, 7×7×0.22+0.15HT steel cord for 2[#]—4[#] belt, 4×6×0.25HE steel cord for 5[#] belt, 7×7×0.22+0.15HT steel cord for carcass, using three stage building machine to build tires, and mechanical vulcanizing press to cure tires. The test results of finished tires showed that, the inflated peripheral dimension, durability and TKPH values met the requirements of the design and related standards.

Key words: off-the-road radial tire; tubeless tire; low profile; structure design; construction design

Alliance推出新挖掘机子午线轮胎

美国《现代轮胎经销商》(www.moderntiredealer.com)2019年10月2日报道如下。

Alliance轮胎美洲公司称其用于多作业面挖掘机/装载机的新Alliance 585子午线轮胎(见图1)提高了该系列产品的性能。

据Alliance称,该轮胎采用了独特的条块组合花纹设计和钢丝束层结构,与斜交轮胎相比,可提高性能并延长使用寿命。

轮胎的子午线结构可确保长矩形接地印痕,使花纹块直接与地面接触面积更大,提高传递动力,最终改善轮胎的牵引性能,减少侧滑,提高燃油效率,降低生热,提高行驶质量。钢丝束层和增强胎侧有助于抗刺扎;独特的无向胎面花纹



图1 Alliance 585子午线轮胎

为大而深的花纹块与多角度曲折花纹条组合排列。

Alliance 585子午线轮胎现有6个规格: 340/80R18, 400/70R18, 400/70R20, 400/80R24, 460/70R24和500/70R24。

(吴秀兰摘译 赵敏校)