

Design of 15.0/55—17IMP 14PR Low Profile Tubeless Agricultural Tire

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Abstract: The design of 15.0/55—17IMP 14PR low profile tubeless agricultural tire was described. In the structural design, the following parameters were taken: overall diameter 792 mm, cross-sectional width 378 mm, width of running surface 315 mm, height of running surface 17 mm, bead diameter at rim seat 434 mm, bead width at rim seat 343 mm, maximum width position of cross section (H_1/H_2) 0.835 9, 6 longitudinal zigzag grooves, pattern depth 11 mm, total number of pitches 34, block/total ratio 63%. In the construction design, the following processes were taken: two-formula and three-piece extruded tread, 4 layers of dipped 2100dtex/3 nylon 6 cord for carcass ply; using bladder turn-up building machine to build tires, and using 45 inch bladder curing press to cure tires. It was confirmed by the tests of finished tires that the inflated peripheral dimension and physical properties met the requirements of relative design and national standard, the static load performance met the application requirement.

Key words: agricultural tire; low profile; tubeless; structure design; construction design

固特异扩大 SmartWay 认证阵容

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美国《现代轮胎经销商》(www.moderntire-dealer.com)2013年11月4日报道:

固特异轮胎橡胶公司推出了通过 SmartWay 认证的优质 Goodyear G572 1AD 载重轮胎(如图1所示),其用于 6×2 单轴驱动。



图1 Goodyear G572 1AD 载重轮胎

“G572 1AD 轮胎设计用于 6×2 高扭矩单轴驱动载重汽车,”固特异轮胎商业系统营销经理 Brian Buckham 说,“该轮胎的高追求将有助于长途运输车队降低总运营成本。”

G572 1AD 具有如下特点:

- 固特异独家燃料效率最大化技术,包括节能胶料和先进的设计技术,有助于提高能源效率和燃油经济性;
- 较深的中心刀槽花纹和横向沟槽可增强全天候牵引性;
- 半实心胎肩筋和 19 mm 的胎面花纹深度可增强牵引性、稳定性和高磨损下的长使用寿命;
- 固特异 Tredlock 技术的咬合细微花纹沟有利于提高胎面稳定性,延长使用寿命和增强韧性;
- 业界翻新率最高之一的胎体将减少车队单位行驶距离的总体成本。

“对于需要胎面寿命长及单轴驱动和 6×2 车型特高牵引性,又需要降低成本的长途运输车队来说,G572 1AD 是一个理想轮胎。”Buckham 说,“载重货运车队正在寻找各种途径和方法,以优化他们的设备支出、燃料开支及其他投资。”

G572 1AD 可提供的规格为 295/75R22.5 和 11R22.5,载荷等级为 G。他们可以使用 G572 固特异 UniCircle 和预硫化翻新产品。

(吴淑华摘译 李静萍校)