

## Design of 13.00R25 Off-the-road Radial Tire

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**Abstract:** The design of 13.00R25 off-the-road radial tire was described. In the structure design, the following parameters were taken: overall diameter 1 288 mm, cross-sectional width 310 mm, width of running surface 274 mm, height of running surface 13 mm, bead diameter at rim seat 633 (tube)/630 (tubeless) mm, bead width at rim seat 229 mm, maximum width position of cross-section ( $H_1/H_2$ ) 0.882 (tube)/0.891 (tubeless), pattern depth 27 mm, total number of pitches 31, block/total ratio 63.1%, and non-directional pattern design. In the construction design, the following processes were taken: 3+9+15×0.245 HT steel cord for carcass ply, 3+9+15×0.22+0.15 HT steel cord for 1<sup>#</sup>~3<sup>#</sup> belt ply, 5×0.30 HI steel cord for 4<sup>#</sup> belt ply; using two-drum single stage building machine to build tires, and using mechanical 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 application and national standard, the static load performance and endurance performance met the requirements of enterprise standard, and the outdoor loading performance of finished tires met the design requirements.

**Key words:** off-the-road radial tire; structure design; construction design

### 大陆为 HTL1 载重子午线轮胎 提供相应翻新胎面

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美国《现代轮胎经销商》(www.moderntire-dealer.com)2013年12月17日报道:

大陆轮胎美洲公司已经为其 HTL1 宽基轮胎提供相应翻新胎面。

大陆美洲 ContiLifeCycle 经理 John Barnes 表示,很高兴在2013年年末能为大陆 ContiTread 车队和特许经销商提供新的豪华翻新轮胎产品。目前大陆采用 ContiTread 胎面翻新的 HTL1 单用宽基载重轮胎已经上市。Barnes 表示,HTL1 轮胎胎面宽度为 400 mm,可以被使用单用宽基驱动轮胎和拖车轮胎(规格为 445/50R22.5 和 455/55R22.5)的车队进行轮胎翻新,是这个关注减小质量和节约燃料的特殊市场一个优秀的解决方案。

宽基或者单用宽基载重轮胎,如 HTL1 轮胎(用于长途重型拖车)通常被用于运输液体和干散

货物,质量是人们关注的问题,它有助于车队通过减小装配车轮和轮辋的数量来减小质量而实现更大的燃油效率。

大陆 HTL1 ContiTread 胎面(见图1)适用于采用燃油效率高的胎面花纹的新轮胎,花纹深度为 10.32 mm(13/32 英寸)。

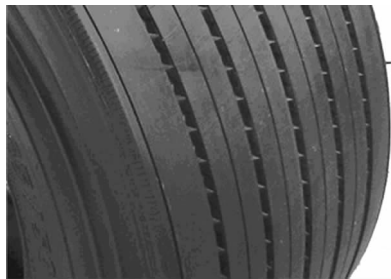


图1 HTL1 ContiTread 胎面

Barnes 表示,HTL1 ContiTread 胎面是大陆翻新业务的一个很好的补充,这使大陆能够为车队提供更多翻新产品。

(赵敏摘译 吴秀兰校)