Design on 225/45ZRF18 95W FRD866 Run-flat Steel-belted Radial Tire

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Abstract: The design on 225/45ZRF18 95W FRD866 run-flat steel-belted radial tire was described. In the structure design, the following parameters were taken: overall diameter 655 mm, cross-sectional width 245 mm, width of running surface 191 mm, arc height of running surface 9.46 mm, bead diameter at rim seat 458 mm, bead width at rim seat 219.5 mm, maximum width position of cross-section (H_1/H_2) 0.945, using variable pitch tread pattern with alternated long and short type patterns, patter depth 8.0 mm, block/total ratio 63.8%, and number of pattern pitches 63. In the construction design, the following processes were taken: addition of support compound and reinforcing layer in the sidewall to improve the support performance and stiffness of the tire under run-flat condition, respectively, nylon 66 cord for crown layer, 2＋2×0.30HT steel cord for $1^{\#}$and $2^{\#}$ belt layers, HMLS polyester cord for carcass, using one-step building machine to build tires, and nitrogen curing process to cure tires. The performance test results of the finished tire showed that the inflated peripheral dimension, strength, durability, high-speed performance and zero pressure performance met the requirements of the design and national standards.

Key words: run-flat tire; steel-belted radial tire; structure design; construction design; self-supporting type

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2018年Titan收入为1 610万美元

美国《现代轮胎经销商》(www.moderntiredealer.com)2019年3月7日报道:

Titan国际公司截至2018年12月31日的第4季度净销售额为3.634亿美元,净亏损1 230万美元,2017财年同期销售额为3.76亿美元,净亏损3 020万美元。

2018年第4季度,该公司的营业收入也出现了92.5万美元的亏损,而2017年第4季度亏损了430万美元。

2018财年,Titan的净收入为1 610万美元,净销售额为16亿美元;2017财年销售额超过14亿美元,净亏损为6 000万美元。2018年的收入与销售额之比为1%,全年营业收入为4 240万美元。

公司首席执行官兼总裁Paul Reitz表示,2018年的净销售额超过16亿美元,调整后的息税折旧及摊销前利润超过1.19亿美元,证明了过去几年Titan取得的进展;2016年,净销售额低于13亿美元,调整后的息税折旧及摊销前利润略高于4 700万美元。这些数字代表最高水平,增长超过26%,在这两年里调整后的息税折旧摊销前利润增长超过2.5倍。

Reitz称,2018年的许多因素不仅影响了Titan的业务,也影响了其他公司。这些因素导致营业环境经常波动,包括备受讨论的关税对峙、钢铁价格达到10多年来的最高水平以及持续影响农民的疲软商品价格。尽管存在这些挑战,但在2018年,Titan在固定货币基础上实现了两位数的收入增长,并且自2013年以来第1次实现正盈利。2018年,Titan的土方/建筑部门,尤其是ITM起落架业务,以22%的全年增长率领跑,同时利润和息税折旧摊销前利润也呈现强劲增长。

Reitz说:“展望2019年,Titan将继续保持6%～7.5%的整体净销售额增长。具体来说,在细分市场中,我们预计净销售额增长率农业轮胎为4%～6%,土方/建筑轮胎为8%～9.5%,乘用轮胎为2.5%～4.5%。随着收入的持续增长,我们相信毛利率将提高,本年度内达到净销售额的12.8%～13.2%。”

Reitz还预测,2019年资本支出方面持续投资将达到4 000万～5 000万美元。

(赵　敏摘译　吴秀兰校)