

Design on 36×14—20 11.00 Skid Steer ND HPS Solid Tire of High Load Trackless Construction Machinery Vehicle for Coal Mine

SONG Guoxing

[Yokohama TWS (Hebei) Co., Ltd, Xingtai 054000, China]

Abstract: The design on 36×14 — 20 11.00 Skid Steer ND HPS solid tire of high load trackless construction machinery vehicle for coal mine was introduced. In the structure design, the following parameters were taken: overall diameter 908 mm, cross-section width 352 mm, width of running surface 326 mm, arc height of running surface 6.8 mm, bead diameter at rim seat 518.5 mm, bead width at rim seat 256 mm, maximum width position of cross-section (H_1/H_2) 0.873, using non directional lateral large block pattern, pattern depth 15.5 mm, block/total ratio 74.6%, and number of pattern pitches 24, elliptical tapered sidewall damping and heat dissipation holes were designed on the horizontal axis of the section, with the length exceeding 1/2 of the crown width. In the construction design, the following processes were taken: 3-layer compound structure for tread, 7 layers of 10 steel wires for the steel ring construction, diameter of the steel ring was 530 mm, number of the steel ring was 6, and using a building machine with head diameter of 470~530 mm and head width of 500 mm to build tires and using a hot plate press to cure tires. The test results of the finished tire showed that the inflated peripheral dimension, physical property, endurance performance, static load performance and antistatic performance met the requirements of the design and special vehicles.

Key words: solid tire; structure design; construction design; finished tire performance

多个橡胶行业项目入选2024年山东省 重大实施类项目

日前,2024年山东省重大项目名单公布。

入选重大实施类项目的橡胶行业相关项目包括:威海中威橡胶有限公司的高性能非公路轮胎搬迁项目、国橡中心的功能性新材料产业园项目、麒祥新材料(山东)有限公司的年产42万t高性能子午线轮胎配套专用材料项目、山东阳谷华泰化工股份有限公司的年产7万t高性能新材料项目、兴达(济宁)钢帘线有限公司的年产10万t钢帘线项目、山东大业新材料有限公司的年产10万t胎圈钢丝项目、山东德比新材料科技有限公司的年产12万t羧基丁苯胶乳建设项目、山东创道新材料科技有限公司的年产1万t聚氨酯橡胶硫化剂MOCA项目、山东豪迈机械科技股份有限公司的中大型高端数控机床及其功能部件国产化研发及产业化项目。

(本刊编辑部)

赛轮集团正式加入科学碳目标倡议

日前,赛轮集团股份有限公司(简称赛轮集团)通过科学碳目标倡议(Science Based Targets initiative, SBTi)确认,正式加入SBTi。

SBTi是由碳信息披露项目(CDP)、联合国全球契约组织(UNGC)、世界资源研究所(WRI)、世界自然基金会(WWF)联合发起的一项全球倡议,旨在帮助企业设定符合气候科学、与《巴黎协定》要求相符的温室气体减排目标。截至2023年年底,全球7 154家企业已参与到SBTi的行动中,为全球气候治理贡献企业强劲力量。

赛轮集团表示,加入SBTi后将根据要求设定近期减排目标与实施计划,全力以赴将绿色低碳发展理念贯穿至日常生产运营中。未来,集团将持续披露在应对气候变化和节能减排方面的进展,积极引导产业链向着更加绿色低碳的方向发展。

(本刊编辑部)