OTR WHEEL ENGINEERING CASE STUDY



CSX PRODUCTIVITY RIDING HIGH ON NEW NDX[™] TIRE



CSX Transportation, a leading transportation supplier with rail and intermodal businesses in 23 states, needed a safer, more durable tire for its Kubota RTVs. For crews operating RTVs over debris and rough terrain in ultra-harsh work environments, flat tires — and maintenance delays — were all-too-common. Downtime compromised productivity, and drivers were at risk whenever a blowout occurred. Plus, every flat tire needs to be discarded, which is decidedly not environmentally friendly.

"We have tires here that run over spikes with metal stuck in the sidewall and they go flat all the time," said Ken Boyette, CSX Transportation.

Flat Out a Better Performing Tire

OTR's innovative NDX tire lasts up to 2x longer than other airless tires, even with extreme loads on each axle. Orange Aftermarket, a successful distributor who represents OTR and has a marketing alliance with Kubota, was chosen as the liaison between CSX and OTR to provide just-in-time deliveries and field support.

First deployed in the CSX railyard in Jacksonville, FL, NDX has withstood rough, rugged terrain exceptionally well — with no reported flat tires in the first six months.

"The ride is better and there's no sway in the buggies," said Boyette. "They're holding up weight-wise, carrying over 1,000 pounds."

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More Uptime Drives Higher Profitability

Customers are excited about the long-term potential savings with tires that never go flat. Currently, CSX's vehicles experience flat tires about once every two weeks. For a fleet of just 10 vehicles, this adds up to \$78k annually in downtime, labor and opportunity costs. (see Figure 1)

"NDX is a game-changer for end users like CSX whose vehicles suffer flat tires on a regular basis," said Fred Taylor, CEO, OTR. "NDX means no downtime from flats. This ensures a good ROI, safe operation and eco-friendly results for our customers."

NDX is launching utility vehicle fitments for the popular 350 MAG and Wizard (along with turf applications) in late 2020.

"We're also pleased to have an outstanding partner in Orange Aftermarket to provide support to CSX," said Taylor. "It's a win-win-win."



Learn more about the NDX System or email us at ndxairlesstire@otrwheel.com



OTR Wheel Engineering

Based in Rome, Georgia, OTR is a global leader in developing and manufacturing innovative tire and wheel systems for well-known OEMs and aftermarket customers. Its patent-pending NDX™ tire and wheel assembly is an airless mobility solution that solves the long-standing problem of flat tires for commercial vehicles traveling on rough terrain. NDX represents a breakthrough in tire design, using proprietary technologies and construction methods to eliminate downtime from flats.

OTR's innovative, patent-pending NDX tire lasts up to 2x longer than other airless tire options, even when carrying extreme loads with a hole in its sidewall.







