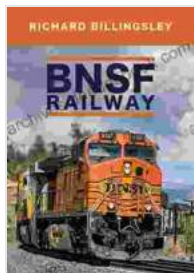


BNSF Railway and Dunlop: A Longstanding Partnership Driving Innovation and Rail Transportation

The rail industry is a cornerstone of modern transportation, enabling the efficient and cost-effective movement of goods and people across vast distances. At the forefront of this industry are two stalwarts: BNSF Railway, one of the largest freight railroads in North America, and Dunlop, a global leader in tire and automotive technology.

For over a century, BNSF and Dunlop have forged a strong partnership, collaborating to drive innovation and enhance the safety, efficiency, and sustainability of rail transportation.



BNSF Railway by C and S Dunlop

★★★★☆ 4.8 out of 5

Language : English
File size : 10975 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting: Enabled
Word Wise : Enabled
Print length : 140 pages



Dunlop's Tire Innovations for Enhanced Locomotive Traction

One of the key areas of collaboration between BNSF and Dunlop lies in the development of advanced tire technologies for locomotives. Dunlop's

expertise and research in tire engineering have resulted in groundbreaking designs that deliver exceptional traction and performance.

UniMax II Tires: Superior Traction in All Conditions

Dunlop's UniMax II tires are engineered specifically for locomotives, providing unparalleled traction in both dry and wet conditions. The tires feature a specialized tread pattern that optimizes the distribution of weight and friction, enabling locomotives to pull heavy loads with ease.

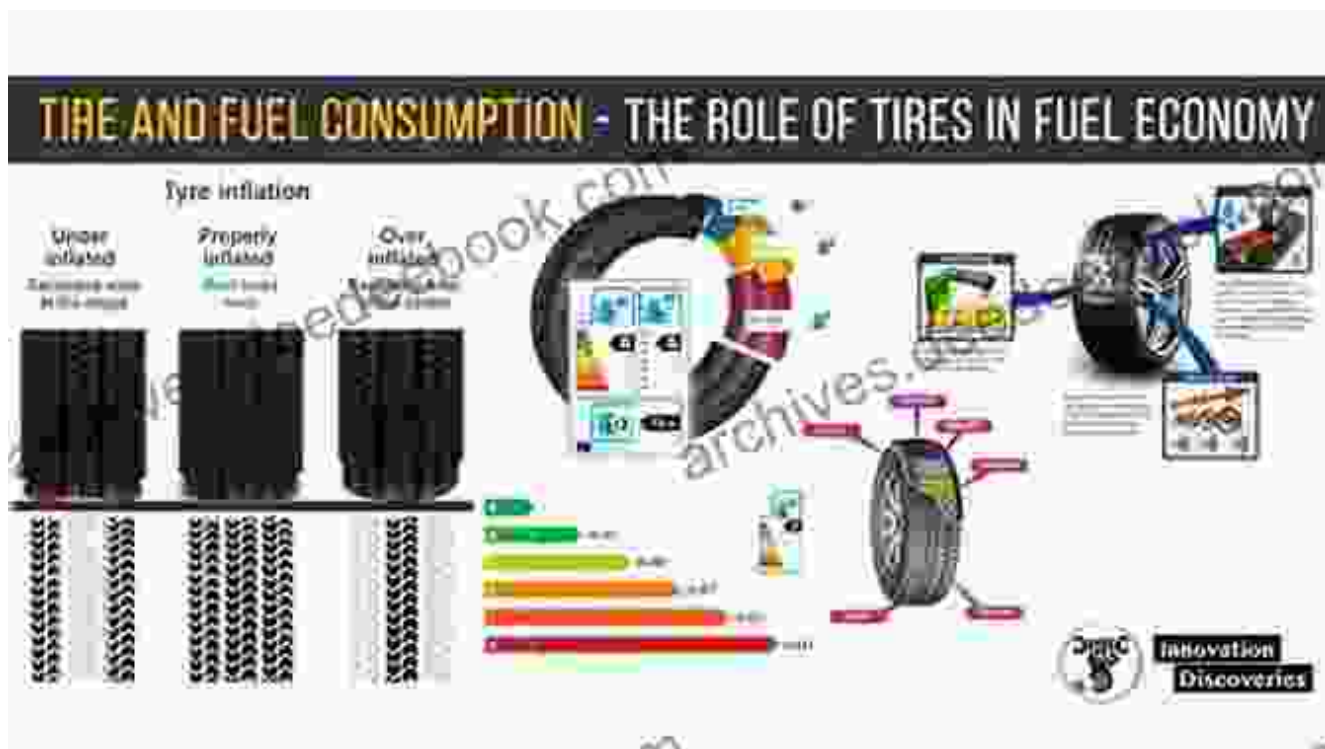
The UniMax II tires' unique compound formulation enhances their durability and resistance to wear, resulting in extended tire life and reduced downtime for BNSF.



MaxTrac Tires: Fuel Efficiency and Emissions Reduction

Dunlop's commitment to sustainability extends to its tire technology. The MaxTrac tires, designed for use on passenger and freight locomotives, are engineered to minimize rolling resistance.

By reducing the resistance between the tires and the rail, the MaxTrac tires enable locomotives to consume less fuel and emit fewer greenhouse gases. This not only improves BNSF's operational efficiency but also contributes to environmental stewardship.



Dunlop's MaxTrac tires minimize rolling resistance, enhancing fuel efficiency and reducing greenhouse gas emissions.

BNSF's Innovation Program Driving Collaboration

BNSF's unwavering dedication to innovation has been instrumental in fostering the long-standing partnership with Dunlop. The railroad's Innovation Program encourages collaboration with industry leaders like Dunlop to explore new technologies and solutions that advance rail transportation.

Through this program, BNSF and Dunlop engineers work together to identify areas for improvement and co-create innovative solutions that enhance the safety, efficiency, and sustainability of BNSF's operations.



Examples of Successful Collaboration: Case Studies

The partnership between BNSF and Dunlop has resulted in numerous successful collaborations that have had a tangible impact on the rail industry.

Improved Curve Negotiation for Heavy Trains

BNSF's heavy coal trains faced challenges negotiating curves due to excessive flange wear, causing delays and safety concerns. Dunlop

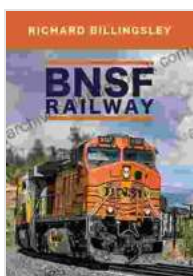
developed tires with an optimized tread design that reduce flange wear and improve curve negotiation.

Reduced Locomotive Wear and Maintenance Costs

Dunlop's tires with a proprietary tread pattern and compound reduced locomotive wheel wear and extended the life of traction motors. This innovative technology significantly reduced maintenance costs for BNSF.

The partnership between BNSF Railway and Dunlop stands as a testament to the power of collaboration and innovation in driving progress within the rail transportation industry. Dunlop's expertise in tire technology, combined with BNSF's commitment to innovation, has resulted in groundbreaking solutions that have revolutionized locomotive traction, fuel efficiency, and sustainability.

As the rail industry continues to evolve, BNSF and Dunlop remain committed to their long-standing partnership, working together to push the boundaries of innovation and shape the future of rail transportation.



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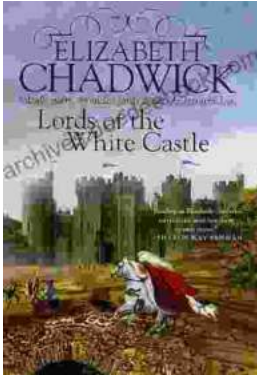
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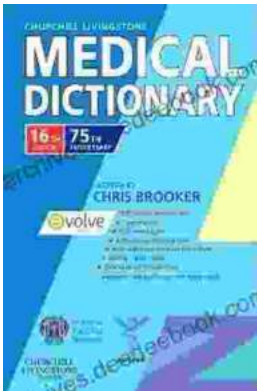
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