

EXPERIENCE THE TITAN[®] DIFFERENCE

TITAN





Titan has a heritage of more than 120 years in the off-highway wheel manufacturing business, tracing its roots back to the 1890 founding of Electric Wheel Company in Quincy, Ill. Today, Titan is the only company with the ability to design, test and produce both wheels and tires for the construction, agriculture, forestry and mining industries.

A large yellow Titan wheel loader is shown in profile, facing right, at a quarry. The loader has a large front bucket and is parked on a dirt surface. In the background, there are steep, reddish-brown rock walls under a cloudy sky. The lighting suggests it's daytime.

AMERICAN-MADE FOR THE GLOBAL WORKFORCE

The Titan philosophy is to build tough and durable wheels and tires that keep fleets productive and profitable — no matter how harsh the setting. Titan wheels and tires are produced by our 3,200 employees in five plants throughout the United States, including Des Moines, Iowa; Freeport, Ill.; Quincy, Ill.; Bryan, Ohio; and Saltville, Va.

TITAN MOVES THE WORLD OF CONSTRUCTION

Built with heavy-duty materials and innovative tread designs in a range of radial and bias options, Titan tires keep your construction fleet moving in every application.

RADIAL OR BIAS — YOU DECIDE

We believe contractors like choices, which is why Titan offers a full line of both bias and radial tires.

BIAS TIRES

- Easily repairable
- Good for rocky applications
- Good for short distances
- Lower cost

RADIAL TIRES

- Lower running temperatures
- Excellent tread wear and traction
- Longer life

GENERAL TIRE™ IS NOW TITAN



The same OTR tires you know and love from Continental and General Tire are now branded as Titan. Titan acquired Continental Tire's OTR assets and Bryan, Ohio, manufacturing facility in 2006. Titan continued manufacturing General-branded tires until 2009, at which point we began to brand the tires as Titan, as specified in the purchase agreement. However, Titan still offers the same tire designs and same excellent support network you came to know and trust from General and Continental. Titan has invested to expand the radial line and product offerings.

SPECIALLY DESIGNED FOR ANY APPLICATION ►

A fleet manager can invest in the best equipment money can buy, but if the tires aren't matched to the site conditions, performance and productivity will suffer. Titan recognizes that every job site is different. That's why we develop a wide range of styles and designs to help contractors and fleet managers in every possible setting.

Rock and aggregate



Concrete and pavement



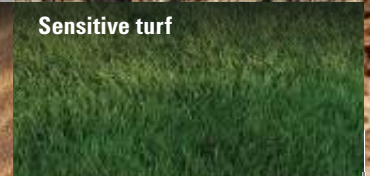
Mud and clay



Snow and sand



Sensitive turf





BREAKING DOWN THE TIRE CODES ▼

Letter
E = Earthmover
L = Loader/Dozer
G = Grader
S = Smooth (for compactors)

Number
2 = Traction tread for mud
3 = Rock tread, standard depth
4 = Rock tread, deep tread
5 = Rock tread, extra deep tread
7 = Flotation design for sand and marsh

DESIGNED FOR THE WAY YOU WORK

Titan offers a range of radial and bias designs and sizes to help you get the job done, no matter what the setting.

LOADER/DOZER

Titan offers L-2 through L-5 designs

The **Titan MXL** is an L-3 design that is available in bias or radial, with an aggressive tread depth for optimal traction, sturdy tread elements for maximum torque transmission and diamond lug pattern for versatility in a variety of applications.



EARTHMOVER

Titan offers E-1 through E-7 designs



The **Titan STL3** features an E-3, non-directional tread pattern with a center rib that provides a smooth ride, excellent traction, and a long, even wear over time.

GRADER

Titan offers a range of styles in a G-2 tread design



The **Titan TGS2** features a G-2 design with an all-seasons tread pattern and siping that provides excellent traction in all conditions, especially mud, snow and ice.



“We run the Titan MXL on our Cat IT38 wheel loaders, moving pipe and rock in the summer and pushing snow in the winter. Our operators have been impressed with the traction in the mud and the snow and I’ve been happy with how they are holding up. After 3,500 hours, the tires are still running strong.”

Brian Moran
Shop Manager, Elder Corporation -
Des Moines, IA.

TITAN MOVES THE WORLD OF FORESTRY

Forestry is one of the most demanding environments for tires. Feller-bunchers, mulchers and skidders are subject to muddy, steep slopes and sharp stumps while cutting and transporting trees to the landing site. But not every jobsite is the same, which is why Titan offers a range of styles to perform in everything from snowy hills to swampy flatlands, and everything in between.

LOGGER LUG III™

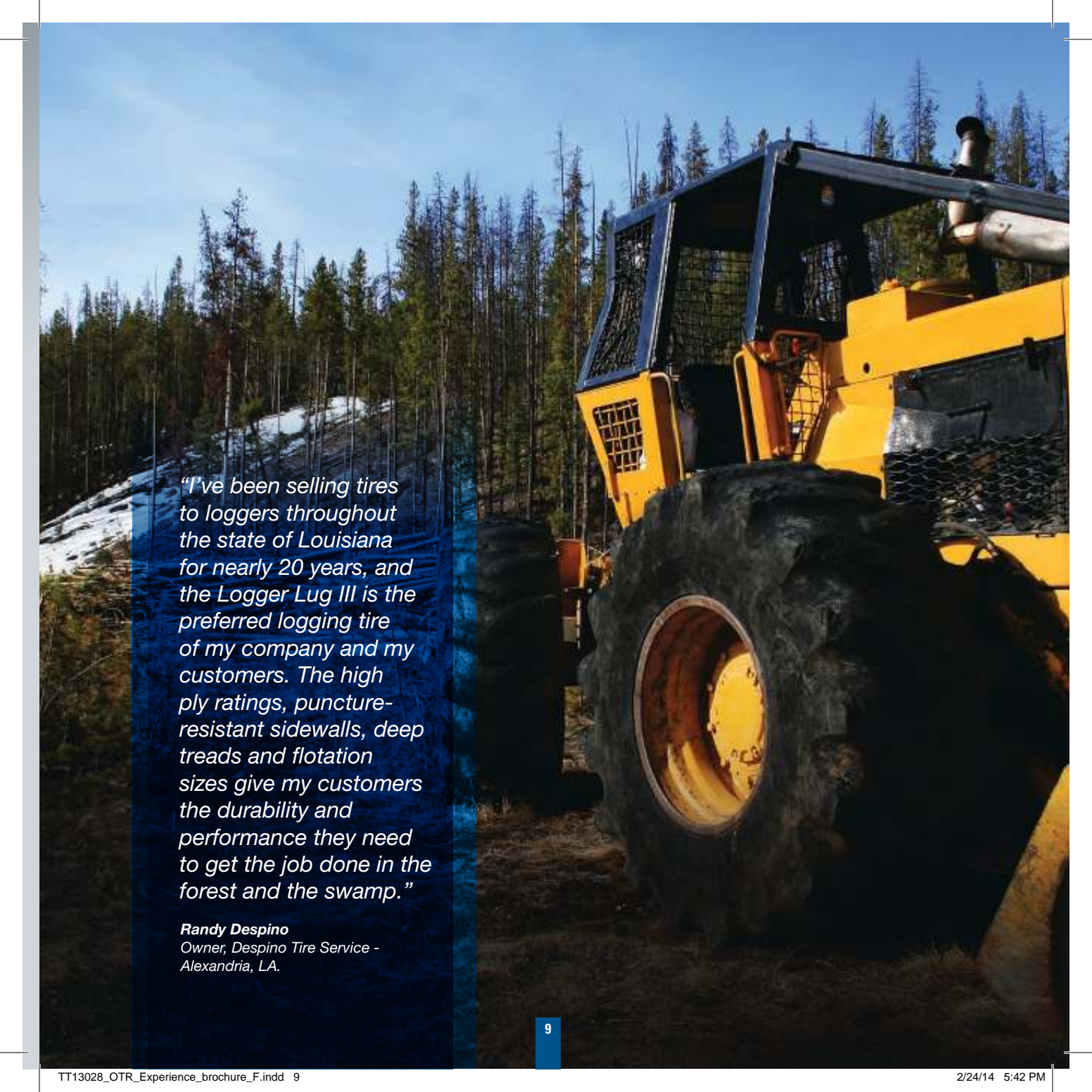
The **Logger Lug III** comes in three versions, each specially formulated with compounding built to withstand demanding forestry settings.

Logger Lug III (LS-2) features a lug angle optimized for balance between traction and cut-resistance, and is available in sizes ranging from 18.4-26 to 35.5L-32.

Logger Lug III HD features twice the steel armor as the standard Logger Lug tire for excellent penetration resistance. It's available in sizes ranging from 23.1-26 to 35.5L-32.

Logger Lug III Flotation features extra wide treads for high flotation and lower ground pressure in swampy settings. It's available in sizes ranging from 66x43.00-25 to 73x50.00-32.



A yellow logging skid steer loader is shown in a forest setting. The machine is positioned on a dirt path, and its large, treaded tires are prominent. The background consists of a dense forest of tall, thin trees under a clear blue sky. The lighting suggests a bright, sunny day.

“I’ve been selling tires to loggers throughout the state of Louisiana for nearly 20 years, and the Logger Lug III is the preferred logging tire of my company and my customers. The high ply ratings, puncture-resistant sidewalls, deep treads and flotation sizes give my customers the durability and performance they need to get the job done in the forest and the swamp.”

Randy Despino

Owner, Despino Tire Service -
Alexandria, LA.

TITAN MOVES THE WORLD OF MINING

Time is money in the mining industry. If your haul trucks aren't running, there's no load to deliver, and no money to be made. Keeping your trucks moving is dependent on having the right tire for the job. Titan offers complete wheel and tire solutions, as well as services to keep your equipment running and your mine operation productive and profitable.

CHOOSE YOUR COMPOUND, AND HIT THE ROAD

The type of rubber compounding used on a tire can greatly impact the way it performs on the mine site, as well as how well it holds up over time. Led by Titan's team of compounding and material development engineers, they are continuously working to develop application-specific compounds that help tires perform better and last longer in every type of application. Many of the Titan mining tire lines are available in one or more of Titan's proprietary rubber compounds, which fall under one of three categories.

BREAKING DOWN THE TIRE CODES

Compound Code	Compound Benefit
H	Heat-resistant compound, ideal for high speeds and long distances.
W	Wear-resistant compound, ideal for hard work at shorter distances.
C	Cut-resistant compound, ideal for hard work in extreme rocky terrain.

TIRES FOR THE WAY YOU MINE

In addition to being offered in various compounds, Titan mining tire product lines are also available in a wide range of sizes and tread designs — with or without sipes, rounded shoulders or square shoulders, etc. — making it easy to find the right combination of features to achieve optimum performance for your application.



HAUL TRUCKS

Titan offers haul truck tires ranging from 18.00R33 all the way up to 59/80R63, and everything in between. Several flagship haul truck tire lines offer differentiation in tread design for various applications.



Titan 007 MFT™ Ultra Class Radial features a large contact area, self-cleaning grooves and lug stabilization for superior damage-resistance, excellent traction and even tread wear.

- Available in sizes from 27.00R49 to 59/80R63
- Available in a variety of heat-, cut-, and wear-resistant compounds
- Available with or without sipes



Titan DTE4™ Haul Truck Tire features an E-4 deep tread depth and an open, non-directional diamond pattern for long tread life, and excellent traction and self-cleaning in a variety of settings.

- Available in sizes from 18.00R33 to 33.00R51
- Available a variety of heat-, cut-, and wear-resistant compounds



Titan DTH4™ Haul Truck Tire features an E-4 deep tread depth and a solid-centered pattern to provide superior damage resistance on hard surfaces.

- Available in sizes from 18.00R33 to 56/80R63
- Available a variety of heat-, cut-, and wear-resistant compounds

LOADERS

Titan **LDR 150** and **LDR 250** Radials feature L-4 deep tread and L-5 extra-deep tread, respectively. They both provide excellent rock damage resistance and long tread life. The non-directional tread pattern with solid center provides all-around traction with excellent self-cleaning.

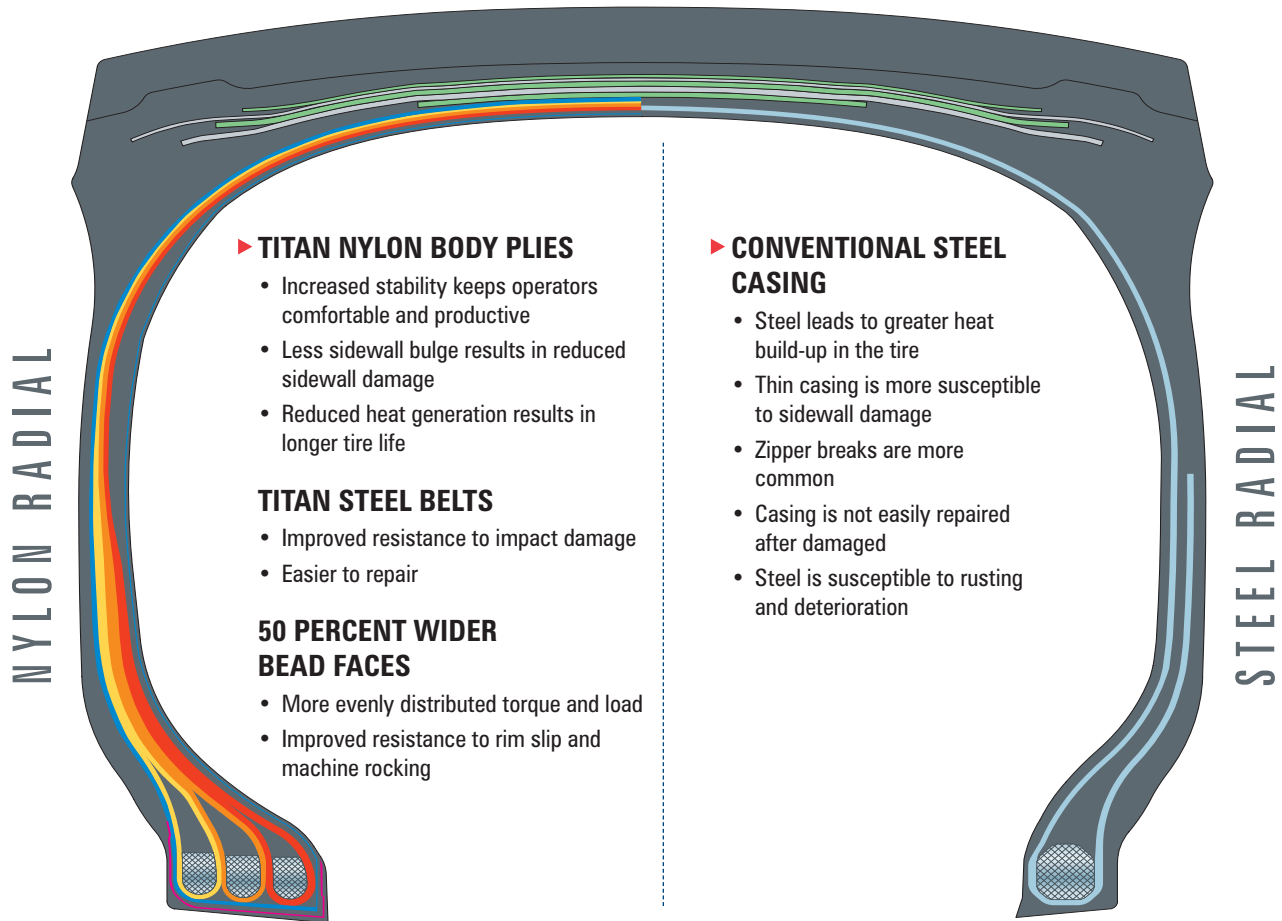


- LDR 150 available in 58/80R63
- LDR 250 available in 35/65R33, 45/65R45 and 50/65R51
- Titan also offers a bias line that includes the LD150, LD250, LD 250 Half Trac, LD250 SS and LD250 UGM.

THE TITAN DIFFERENCE — IT'S ALL IN THE TIRE CONSTRUCTION

Titan has broken the mold and come up with a better way of building tires. A conventional mining tire features a steel casing, whereas Titan mining tires feature a nylon casing that is reinforced with steel belts.

TITAN STEEL-BELTED RADIAL WITH NYLON BODY PLYS VERSUS CONVENTIONAL STANDARD STEEL RADIAL



WHEELS THAT KEEP YOU MOVING

Titan offers complete wheel and rim systems from 51 to 63 inches to fit all the major OEM loaders and haul trucks, including standard five-piece systems, Extra Heavy Duty (EHD) inside wheels, Standard and Outside Vertical Mount (SVM and OVM), Accelerated Change Technology (ACT) and more.

ACCELERATED CHANGE TECHNOLOGY (ACT) REDUCES DOWNTIME BY UP TO 50 PERCENT

With more than 100 years in the off-highway wheel market, Titan hasn't let history stand in the way of innovation. In fact, Titan has literally reinvented the wheel.



The **Titan ACT Wheel** allows for changing an inner dual tire without removing the outer dual wheel, reducing maintenance downtime by up to 50 percent. Less time in the shop means more loads in less time and more profit for the mine.

GOLD MINE SWITCHES TO ACT, SEES POTENTIAL \$1.9 MILLION INCREASE IN ANNUAL PRODUCTION, PER TRUCK

A Nevada gold mine switched from standard wheel systems to the Titan ACT wheel system and saw a dramatic reduction in downtime as a result.



VITAL STATS ▼

- **Yield:** 250 tons per load yields approximately 250 ounces of gold, valued at \$276,500
- **Earnings:** Running 24 hours/day, the mine hauls one load every two hours, resulting in hourly earnings of \$138,250
- **Downtime:** Tires are rotated or changed four times/year. Before the ACT wheel, the process took five hours. The ACT wheel reduced the time spent by 3.5 hours each time, resulting in 14 hours saved per year, per truck.
- **Increased production:** Hourly earnings of \$138,250 x 14 hours saved = \$1,935,500 per truck, per year

TITAN MINING SERVICES®

Titan recognizes that having a proper tire management plan in place is every bit as important — if not more so — than having the right tires for the job. In 2011, Titan International formed Titan Mining Services — a division that consults with mine owners around the world to help develop and implement tire and wheel management plans for their equipment fleets.

GLOBAL SUPPORT

Titan Mining Services has locations and partners throughout the world, including the United States, Canada, Peru, Chile, South Africa, Australia and more.

TITAN HAS YOUR BACK

With nearly 650 Titan OTR dealers in North America, you have the support of Titan and its knowledgeable dealer network wherever your work takes you.



PREMIUM TECHNOLOGIES ▼

Titan Mining Services provides the latest in tire tracking and sensing technologies.

EM-TRACK III – An excellent management tool that tracks cost, inventory, running hours by unit, repaired tire costs, warranty submissions, scrap pile analyses and more.



TYRESENSE – A tire monitoring system that measures and displays tire running temperatures and temperatures in real time, and relays the information to correct personnel when issues arise.



VBOX – A monitoring system that measures vehicle speed, distance traveled, cycle times, acceleration, vehicle location and haul road grades, and relays the information to the fleet manager anywhere in the world.

HOW TO ORDER ▼

Titan orders:

Call Titan Tire customer service at 1.800.USA-BEAR
or contact your local Titan dealer.

www.titan-intl.com



TOUGH. DURABLE. BUILT TO LAST.™

ETOTR001 11.13A

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