

## Only TyrFil Eliminates Solid Shock

*Solid Shock refers to the harsh impact of G-force vibration transmission to heavy industrial vehicle operators and their equipment from solid aperture tires. Not only is Solid Shock a major source of wear and tear on machines, but it's also a leading cause of operator injury.*



### *Solid Shock To Operator*

Daily exposure to Solid Shock can cause the operator to experience headaches, lower back pain, joint pain and fatigue. Prolonged exposure can lead to Whole Body Vibration (WBV), a serious physiological condition.

### *Solid Shock To Equipment*

Solid Shock transfers unnecessary excessive G-force on equipment causing costly and premature wear and tear.

### *Reducing Solid Shock And Increasing Productivity Begins With Tire Selection*

As a part of any Solid Shock prevention program, tire choice is paramount to decreasing exposure to excessive G-force transmissions and the resulting adverse health risks.



Carlisle TyrFil  
140 Sheldon Rd  
Berea, OH 44017  
(800) 821-4147

[CarlisleTyrFil.com](http://CarlisleTyrFil.com)

©2020 Carlisle TyrFil. All rights reserved.  
Unless otherwise noted, all trademarks are owned by or licensed to Carlisle TyrFil.

WE KEEP THE WORLD ROLLING



High Performance  
Flatproofing Technology



	G-force Transmission	Flatproof	Recyclable
 Solid Aperture	Extremely High	✓ Yes	No
 TyrFil	✓ Very Low	✓ Yes	✓ Yes

# What is TyrFil?

TyrFil® is a polyurethane material that is pumped into OTR vehicle tires, replacing all the air. It cures into a flexible, durable elastomer that acts as a shock absorber and completely eliminates flat tires.

# Why use TyrFil?

Compared to other flatproofing products such as solid tires, cores and liners, TyrFil is the most cost-effective solution and provides the best overall performance.



*Eliminates Flats*



*Reduces Downtime*



*Reduces Maintenance Costs*



*Improves Operator Safety*

*Protecting the world from flat tires and increasing productivity for more than 45 years.*

## Performance

- Eliminates 100% of flat tires
- Lowers G-force impact to operator and equipment
- Maintains constant internal pressure and distributes loads evenly
- Extends tire life
- Increases heat resistance
- Eliminates rim slippage
- Improves traction and stability
- Retreadable—up to four times

## Safety

- Prevents catastrophic blowouts
- Eliminates Solid Shock and Pneumatic Bounce to operator and equipment
- Improves vehicle stabilization, enhances ride and reduces operator fatigue

### Solid Aperture Tire



### TyrFil Processed Tire



*TyrFil Processed Tires – 41% less G-force transmission to cab/operator than solid aperture tires. Data was collected on a front end loader tested on a track replicating real jobsite conditions.*

For overall safety and performance, **only TyrFil** checks every box.

	TyrFil	Pneumatic Tires	Solid Aperture Tires
Eliminates 100% of flat tires	✓		✓
Prevents catastrophic blowouts	✓		✓
Eliminates Pneumatic Bounce to operator and equipment	✓		
Improves vehicle stabilization	✓		