

OPTIMIZE fuel economy and weight savings with Hendrickson's versatile OPTIMAAX<sup>®</sup> 6×2 suspension system



Hendrickson's OPTIMAAX<sup>®</sup> system is a revolutionary 6×2 solution to help fleets save fuel cost, tire wear and weight with comparable handling to 6×4 tandem axle configurations. Operating as a liftable axle in the forward tandem position, this system provides versatility for fleets with variable loads. The OPTIMAAX system is ideal for fleets in need of additional flexibility for on-highway tractor applications.



To learn more about OPTIMAAX,  
call 855.743.3733 or visit  
[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

**H HENDRICKSON**  
*The World Rides On Us<sup>®</sup>*

# OPTIMAAX® System Features and Benefits

- **OPTIMIZE Automated Controls**

*Proprietary program logic controls lift axle movement, load transfer and braking functions*

- Fully automated controls eliminates driver intervention and training
- Automates axle lowering and lifting by sensing load capacities

- **OPTIMIZE Savings**

*Axle configuration saves up to 350 pounds and can help improve fuel economy up to 5 percent\**

- In general, 6×2 suspension systems for tractors can provide up to 3.5 percent decrease in fuel consumption compared to similar 6×4 tractors▲
- OPTIMAAX 6×2 system can provide up to 2.3 percent additional fuel consumption savings through lifting the non-drive axle▲▲
- Lifted axle saves on tire wear reducing tire maintenance costs

*\* Compared to 6×4 tandem axle configurations.*

- **OPTIMIZE Traction and Handling**

*Lifted axle position provides increased traction by increasing drive axle load*

- Improved traction when backing under trailers in soft soil or wet conditions versus traditional 6×2
- Maintains vehicle handling characteristics by keeping the drive axle behind the fifth wheel

## OPTIMAAX

- Ideal for diminishing load carriers such as: bulk haulers, grocery, livestock, beverage or applications experiencing empty back hauls
- Includes integrated lift axle, suspension and automated controls
- Available in 20,000 pound capacity
- Compatible with drum brakes

▲ Based upon testing conducted by Performance Innovation Transport (PIT) Group of FPIInnovations (2013).

Reference PIT Test Report: **Comparison of Fuel Efficiency and Traction Performances of 6×4 and 6×2 Tractors**

▲▲ Based upon independent proving grounds testing commissioned by Hendrickson



*Axle lowered for 6×2 configuration — The OPTIMAAX system senses higher load conditions and lowers the non-drive axle*



*Axle lifted for 4×2 configuration — The OPTIMAAX system senses lighter load conditions and lifts the non-drive axle*

*Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.*

*All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.*

**Call Hendrickson at 630.910.2800 or 855.RIDERED (743.3733) for additional information.**



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