

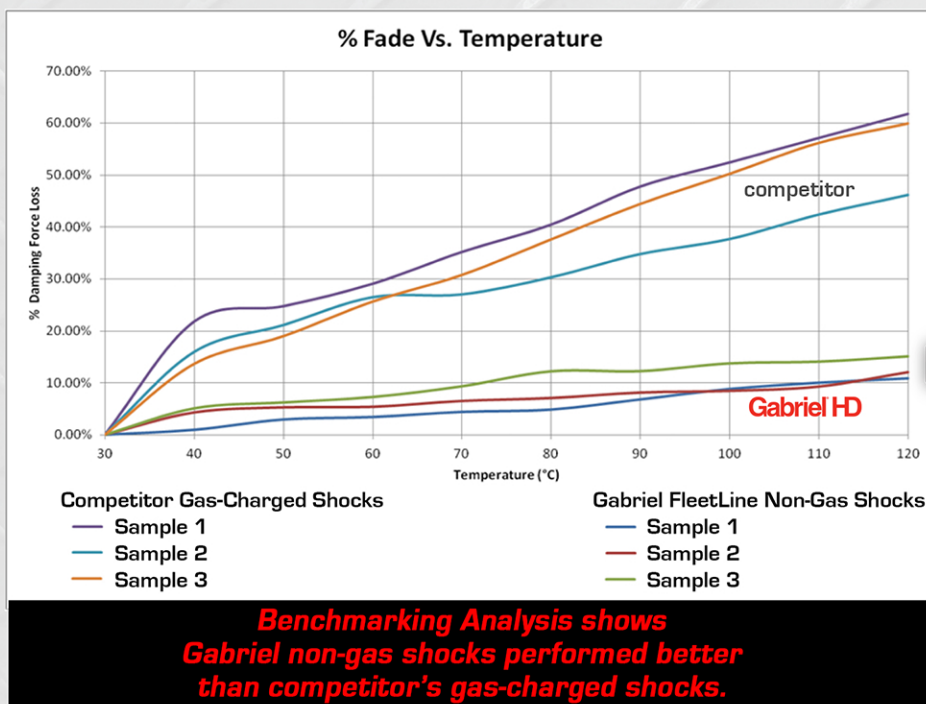


TECHNICAL BULLETIN

#01152016

HD Gas-Charged Shocks vs. Non-Gas Shocks: Which Performs Better?

- Hydraulic fluid aeration is a normal occurrence in shock absorbers. Aeration causes performance fade, which negatively affects tire-to-road contact.
- Performance fade can be minimized in different ways, such as valving technology, fluid type, or by inserting a gas charge into the shock absorber.
- Gabriel's valve technology delivers more consistent damping performance over a temperature range with less aeration of fluid and better reduction of fade versus most competitive gas-charged shocks. This is especially important under severe conditions where the performance variance is greatest:



- Note that there is very different performance required between light duty and heavy duty vehicles. While gas-charging is a common practice for cars and light duty trucks, we believe Gabriel's valving solution is the better choice for heavy duty requirements. Gabriel invented gas-charge technology – We should know!
- With very few exceptions, heavy duty manufacturers and their engineers consistently choose non-gas shock absorbers for original equipment installation.

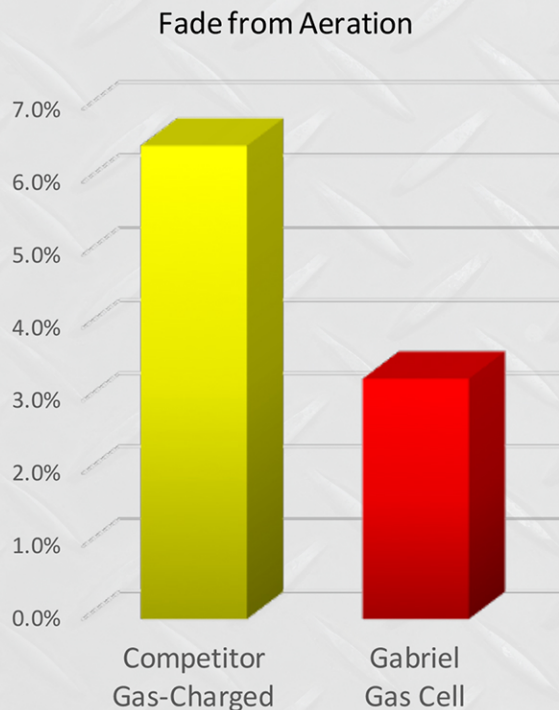


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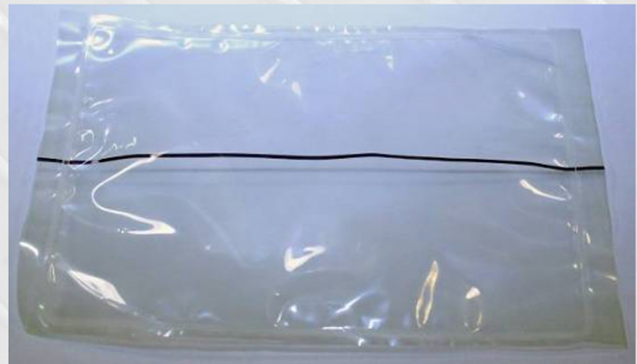
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HD Gas Cell Shocks: Superior Anti-Fade Technology

Heavy duty gas cell shocks are superior to gas-charged shocks. The important difference in a gas cell shock is that the gas is injected into a separate sealed “cell”. This sealed separation virtually eliminates the aeration that even a gas-charged shock will experience. This physical barrier ensures the gas and oil don’t mix. It’s the ultimate addition to our proven valve technology for fade reduction and consistent performance.



Gas Cell



Gas cell technology is a full-life feature because it eliminates normal gas leakage which degrades performance.

Have questions? Need more help?
Contact the Answerman at 800-999-3903

