

Ride Quality

freight gets a smoother ride

Quality of ride

is important. Three dolly designs were tested in over-the-road and city applications. A conventional leaf spring, an air-ride and a Silver Eagle transverse spring VA dolly. The same tractor, trailers, load, driver, test course and speeds were used on all test runs. The same set of tires was also used on the dollies to make the test as equitable as possible.

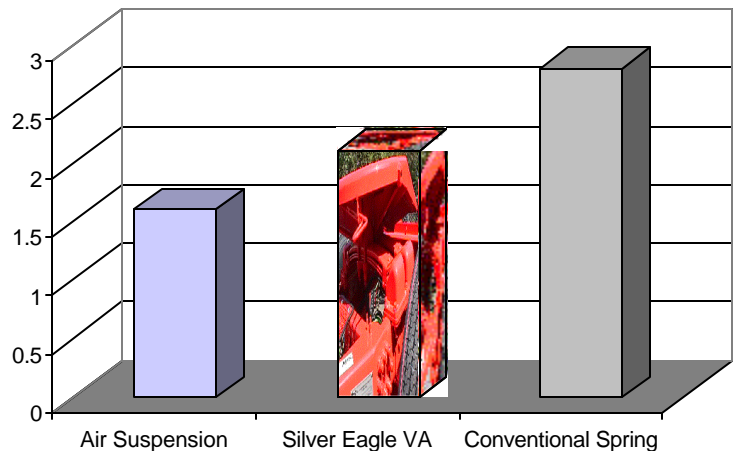
Accelerometers were mounted inside the second trailer to measure shocks delivered to the vehicle and cargo. Data from the accelerometers was recorded in real-time on a computer monitored by the test engineer riding in the tractor. Lighter loads transmitted the greatest shock to equipment and cargo.

Results show that the unique design of the VA dolly delivers substantially less shock loading and significantly smoother ride than conventional spring dollies. A smoother ride without the weight, expense and higher maintenance associated with air-ride.

Silver Eagle dollies. Lower cost through value added benefits.

"We selected the Silver Eagle VA because of features that pay for themselves in the long run."

- Dan Umphress
FedEx Freight East



- A ride approaching air at the cost of springs
- Less wear on equipment
- Smoother ride for freight
- Reduced exposure to claims



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Eagle VA



Hawk Conventional



Tandem



Super-C