

FlowBelow AeroFender™

MVT Solutions Certified™ Fuel Economy Test Results



1.49

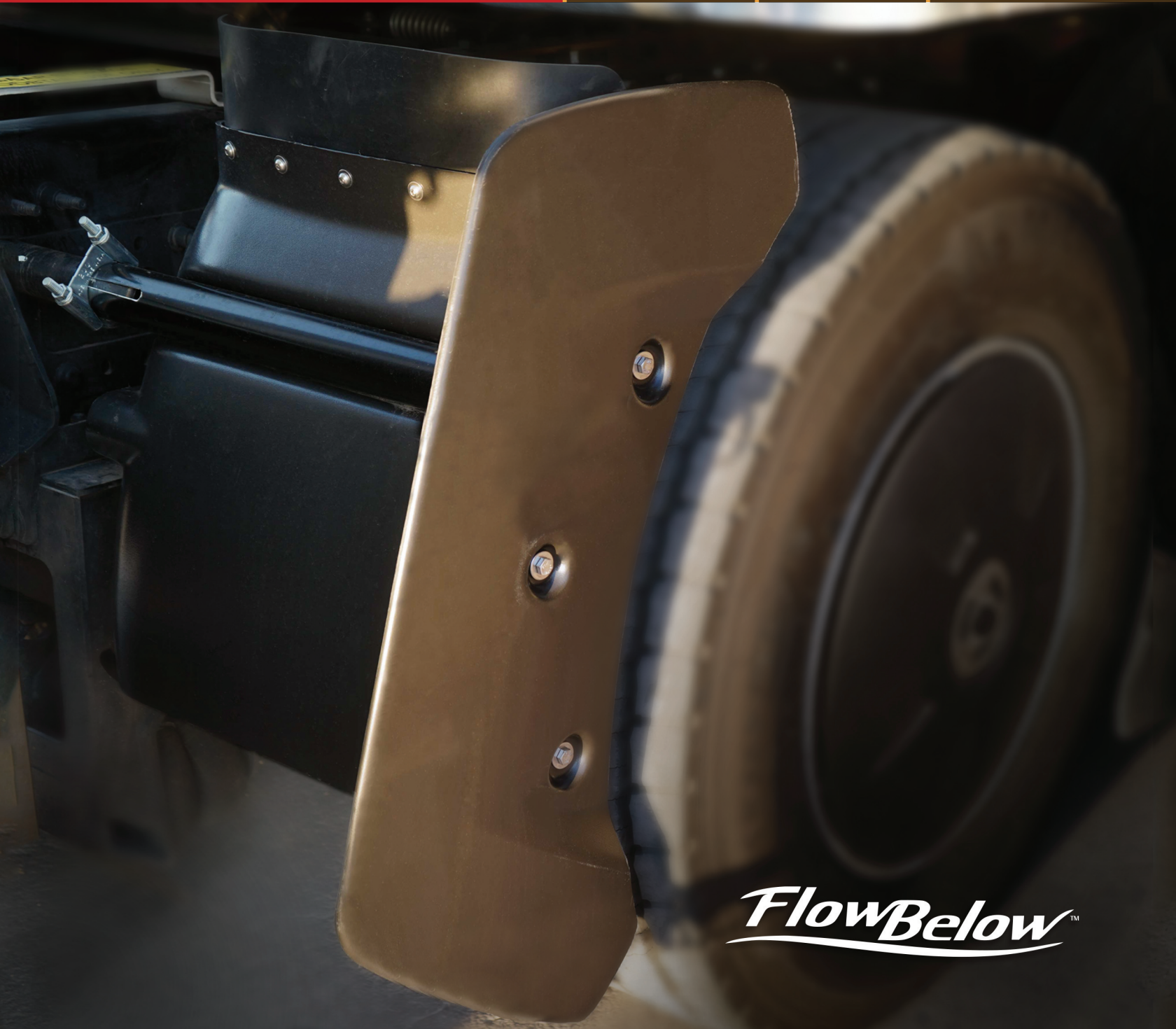
Gallons saved per 1000 miles

0.14

Improved MPG

1.44%

Percent of Fuel Savings



TESTED & PROVEN

UPGRADE YOUR CURRENT QUARTER FENDER AND BOOST EFFICIENCY

The **FlowBelow AeroFender™** delivers a proven fuel efficiency improvement of 1.44%, saving 1.49 gallons of fuel for every 1000 miles driven – based on rigorous MVT Solutions track testing. Real world testing has been underway since 2021, with thousands of units deployed.

- + **Fast ROI**
- + **30-45 minute installation**
- + **Compatible with all OEM Brands**



Fuel Economy Test: FlowBelow AeroFender

1.0: INTRODUCTION

Mesilla Valley Transportation Solutions (MVTs) certifies the fuel savings described in this report. **Note:** this report was designed for carriers and providing information relevant to their needs. Therefore, the format varies from traditional fuel economy and technical reports. The Report Summary provides the reader a quick synopsis of the fuel savings. Following the Summary is the body of the report and further details on the subjects. This fuel economy test was performed using MVTs proprietary fuel economy test methods. These test methods were developed from race car engineering and advanced vehicle test methods, which the Mesilla Valley Transportation (fleet or MVT) has relied on since 2012 to identify substantial fuel savings. The MVTs methods provide highly accurate and reliable answers on real-world fuel savings in comparison to other test methods, which enables carriers to make the best decisions for their company. [Contact](#) MVTs with any questions regarding the product or test. As part of an MVTs Certified™ test, MVTs supports product inquiries, which we encourage carriers to utilize.

Note: blue text indicates a link to the topic. Click to follow. Alt + ← returns the reader to the initial location.

2.0: TEST SUMMARY

FlowBelow AeroFender showed fuel savings of **1.49 gal/1000 miles (1.44%)** on a modern diesel-powered Class-8 day cab tractor with a 53-foot dry van trailer. Results can be found in Table 1 below. The AeroFender savings were an addition to the savings already achieved by the FlowBelow Tractor AeroKit.

Table 1: Fuel Economy Test Results

Product	Fuel Economy Improvement		
	Gal/1000 miles	MPG	Percent
FlowBelow AeroFender	1.49	0.14	1.44%



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Fuel Economy Test: FlowBelow AeroFender

7.0: CONCLUSION

The **FlowBelow AeroFender** showed a fuel economy improvement of **1.49 gal/1000 miles (1.44%)** on a diesel day cab tractor. **Note:** Results show the fuel saved by the FlowBelow AeroFender only. The FlowBelow AeroKit increases total fuel savings when combined with the AeroFender.

The fuel savings from the FlowBelow AeroFender were 186 gallons in diesel, which translates to \$929 and 1.90 metric tons CO₂ for a tractor traveling 125,000 miles annually and using the 2022 average retail price of diesel fuel.

The test values shown can be used to estimate a real-world fuel savings. More precision can be obtained by using a carrier's vehicle and duty cycle information. Contact MVTs for assistance or more information.