



Celebrating 25 Years of Fuel System Excellence!



January 26, 2011

Mr. Ken Karasinski
Nor-Cal Mobility
1300 Nord Avenue
Chico, CA 95926

Dear Mr. Karasinski:

This letter is in regards to FMVSS 301 compliance on the 2004-11 Transfer Flow Inc. 30 gallon Ford Evan replacement fuel system for Nor-Cal Mobility. Crash tests were conducted on a 2004 Ford E250 Econoline van with a NMEDA 6" drop floor, a 2" body raise and with a Transfer Flow Inc. 30 gallon driver's fill aft axle replacement tank, at MGA Research, in Burlington Wisconsin in January 2004. Crash tests were also conducted on a 2003 Nor-Cal Mobility Ford E250 Econoline van with a 6" drop floor and a Transfer Flow Inc, 30 gallon passenger fill aft axle replacement fuel system, and a 2003 Nor-Cal Mobility Ford E250 Econoline van with a 9" drop floor and a Transfer Flow Inc, 30 gallon passenger fill aft axle replacement fuel system. Crash tests were also conducted on a 2004 Ford FI E350 Extended Evan with a Braun Corporation conversion including, a 1/2" body raise, and a Transfer Flow Inc. 30 gallon fuel system, at MGA Research, in Burlington Wisconsin in April 2004. Crash tests were also conducted on a 2006 Ford FI E150 Evan with a Mobility Alliance conversion including, a 2" body raise, and a Transfer Flow Inc. 30 gallon fuel system, at MGA Research, in Burlington Wisconsin in December 2006. Crash tests were also conducted on a 2009 Ford FI E150 Evan with a Mobility Alliance conversion including, a 2" body raise, and a Transfer Flow Inc. 30 gallon fuel system, at MGA Research, in Burlington Wisconsin in October 2008.

The data from the six different tests was analyzed and compared to determine if the 2004-11 Transfer Flow Inc. 30 gallon drivers' side aft axle replacement fuel system would react similar to the previously tested 2003-09 fuel systems. It was determined based on engineering analysis of the previous crash tests and the analysis of the 2011 Evan and fuel system that the 2004-11 Transfer Flow Inc. 30 gallon aft axle driver's side replacement fuel system would react the same.

Transfer Flow Inc provides fuel systems for the mobility industry to replace the midship located OEM fuel tank with an aft axle fuel tank, which allows the van floor to be lowered. This lowered floor will allow persons in a wheel chair to enter ride and/or drive the vehicle.

The Ford E150, E250, & E350 Econoline vans were modified to include a 30 gallon Transfer Flow Inc fuel system and a 4 1/2", 6" or 9" lowered floor. These vehicles were then successfully tested to FMVSS/CMVSS 301 Fuel System Integrity requirements.



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Transfer Flow Inc. certifies that based on the results of the six different FMVSS/CMVSS 301 tests conducted at MGA Research, and based on engineering analysis by the engineering staff at Transfer Flow Inc., the following vehicles and modifications meet FMVSS/CMVSS 301 fuel system integrity requirements:

- 2004-2011 Ford E-250, E-350 FI with a 4 ½", 6" or 9" lowered floor.
- 2004-2008 E-250 E-350 Diesel with a 4 ½", 6" or 9" lowered floor.
- 2008-2011 E-150 FI with a 4 ½", 6", or 9" lowered floor.

This statement is valid if the vehicle is modified per Nor-Cal Mobility and Transfer Flow Inc's installation instructions, and no modifications are made to the installation process or to any parts.

Sincerely,

A handwritten signature in black ink that reads "Todd LaPant". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Todd LaPant P.E.
Engineering Manager