

Volkswagen Passat sets world record for longest distance on one tank of clean diesel fuel

May 11 2012



The world's most fuel-efficient couple has done it again. John and Helen Taylor were determined to break the record for the farthest distance traveled on a single tank of fuel. They decided to attempt the record in the U.S. with a stock 2012 Volkswagen Passat SE TDI Clean Diesel vehicle equipped with a six-speed manual transmission. The previous

record for the most miles covered on a single tank of diesel was 1526.6 miles, achieved with a VW Passat 1.6 BlueMotion diesel in Europe.

The result? A new record of 1626.1 miles, achieved on one tank of ultra-low sulfur diesel [fuel](#) under real world driving conditions. That's an incredible 99.5 miles better than the old mark. Over the course of three days and driving through nine states, the couple averaged 84.1 miles per gallon, spending only 4.65 cents per mile. The three-day drive commenced on May 3, 2012 in Houston, TX and ended on May 5, 2012 in Sterling, Virginia. To make the drive as realistic as possible, the couple included 120 pounds of luggage and drove during daylight hours to experience normal traffic situations. Additionally, the couple took turns driving and didn't travel more than 14 hours per day.

"We're excited to have broken the record for the longest distance driven on one-tank of fuel," said John Taylor. "The Passat TDI was the perfect car for the trip. It offers plenty of interior and cargo space, yet is frugal enough to help us achieve this [record](#)."

The Passat's 2.0-liter TDI Clean Diesel inline four-cylinder engine produces 140 horsepower and 236 pound-feet of torque and with a manual transmission delivers an EPA estimated [fuel economy](#) rating of 43 mpg on the highway. The TDI engine is equipped with a Selective Catalytic Reduction System (SCR) that fulfills emissions requirements in all 50 states. The Passat -- built at the world's only LEED Platinum certified automotive factory in Chattanooga, TN -- was named Motor Trend's 2012 Car of the Year.

Prior to the drive, the speedometer and odometer were calibrated by a state certified testing station in Houston, Texas. Law enforcement officers from the city of Houston, Texas oversaw validation of mileage, fuel fill-up, and gas tank sealing at the beginning of the drive. A Loudoun County, Virginia Sheriff's Deputy verified completion of the

drive and mileage prior to removing the fuel tank seal.

The Taylors have made a career out of driving efficiently and conducting workshops globally on fuel-efficient driving techniques. They have collected more than 90 world fuel economy and vehicle-related records from drives around the globe.

Source: Volkswagen

Citation: Volkswagen Passat sets world record for longest distance on one tank of clean diesel fuel (2012, May 11) retrieved 6 May 2024 from <https://phys.org/news/2012-05-volkswagen-passat-world-longest-distance.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.