



PrevoSt Engine Strategy

As most people in the industry know, the EPA is mandating a change for 2010 to further reduce the amount of particulates and Nitric Oxide (NOX) emitted by over the road diesel engines. The other change for 2010 is that Detroit Diesel will discontinue selling diesel engines to companies who are not owned by Daimler.

These changes served as a catalyst for PrevoSt to make the switch to D13 Volvo engines in all product offerings. Volvo is a world leading manufacturer of commercial diesel engines. There are approximately 20,000 D13 Volvo engines in operation in North America with tens of thousands more in operation throughout the rest of the world. The D13 Volvo engine is renowned for its quiet operation and low vibration delivering surprising power with 1750 ft.-lbs of torque.

PrevoSt will exclusively offer D13 Volvo engines in all models as we make the switch to the EPA 2010 engines. Our current plan is to phase in the D13 Volvo engine in Q3 2010. Upon completion of the phase in, the engine configuration for all shells will be 500 HP with 1750 ft.-lbs. of torque. This is 100 ft.-lbs. more torque than our current offering.

Volvo is meeting the new EPA standard by adding SCR (Selective Catalytic Reduction) to the existing US EPA07 solution. SCR has been used in Europe since 2004 and it works very well. The SCR device is about the same size as the DPF (Diesel Particulate Filter) that was introduced in 2007. The location of the SCR device will be in the engine exhaust line after the DPF. It will be installed in a vertical orientation next to the DPF. Diesel Exhaust Fluid (urea) will be required as a catalyst for the SCR. A small tank will be installed next to the fuel tank so that the fluid can be added during a fuel stop. We anticipate that the DEF will need to be added every 2nd or 3rd fuel fill. All major truck stops will sell Diesel Exhaust Fluid (DEF) at the pump. SCR has been shown to have a small improvement in fuel economy and this improvement is expected to more than make up for the cost of the DEF. As a resource for SCR and DEF you can go www.volvoscr.com. The site was developed by Volvo Trucks North America and provides good information on SCR, DEF, the D13 engine, the environment, etc.

Customers can service their D13 Volvo engines at any of the PrevoSt Service Centers or at any of the more than 80 Volvo Service Providers throughout the U.S. and Canada. Our service personnel have been well trained and certified on the D13 engine. There is an interactive map on PrevoSt's web site that gives the locations of PrevoSt approved Volvo engine service providers by state and province.