

Work, Pleasure, & Racing with Ogura

Every day they risk their lives to bring home the goods from the seas and inter-coastal waters of the Chesapeake Bay, most of the Watermen also use that same vessel for family outings and friendly gatherings.

Adding the Ogura TX20 to the Volvo TAMD74 increased the top speed and made the vessel handle much better... nicknamed the Super 74.

Racing? Yes they do that too! Ever since the beginning of time if it moved and more than one was around, man has found a way to race it. This is true when it comes to workboats too.

In the mid 1980's the local watermen of the Chesapeake Bay were approached to attend a local festival to celebrate the heritage of Virginia's coastal areas. The watermen took this opportunity to challenge each other to find out who had the fastest and best looking of the Chesapeake Bay Deadrises work boats.

In 1998 Shannon took over as Captain of the "Rainbow Chaser" (www.rainbowchaser.us). When he could no longer make a living on the water he decided to keep the boat as a hobby, and went to work for Volvo. In 2004 when getting ready for the local

watermen's events he was talking to people at Volvo Penta and was discussing how the old Detroit Diesel was not performing like it had. Volvo decided they could not have one of their lead technicians racing a Detroit Diesel.

One concern on Shannon's part was the response time to get his 17 ton vessel to top speed. The races that they run at the events are set up like drag races and it's not how fast you start but how fast you get to the finish line. When discussing this topic with Volvo their Sweden office said they were already using Ogura Superchargers on other engines.



Volvo "Super74" engine with Ogura's Supercharger

The engineers decided the Ogura Model TX20 Supercharger was the best fit for the Volvo TAMD74. The Ogura supercharger is a roots blower type that has high air efficiency because of the unique internal rotor design. This design spreads the air over a larger surface, giving high efficiency at both low and high speeds.

By the end of the conversion



The "Rainbow Chaser" flying along with the addition of the Ogura Supercharger



Awards given to the "Rainbow Chaser"

the Rainbow Chaser picked up three knots and was five seconds faster in the quarter mile. Adding the Ogura TX20 to the Volvo TAMD74 increased the top speed and made the vessel handle much better. In Sweden the combination of the Ogura TX20 and the TAMD74 was nicknamed the Super 74.

In 2006 the Rainbow Chaser went forward to win top awards at all three of the local watermen's events, something that has never been done before. The crew of the Rainbow Chaser would like to thank Volvo Chesapeake, Volvo Sweden, & Ogura Japan for making an award winning combination.