

CASE STUDY

## Situation

A boat builder manufactures a USCG-Certified Twin Screw Towboat, which comes installed with a Cummins QSK50 Engine. As it was **upgrading the engine from Tier 2 to Tier 3, Genesis wanted to upgrade the fuel filtration system as well.**

The existing filter system included a Donaldson P5500489 (efficiency rating: 7 microns) as the Stage 0 pre-filter; the Donaldson P552006 (efficiency rating: 10 microns) as the primary filter; and the Fleetguard FF5644 engine spin-on (efficiency rating: 4 microns) as the Stage 2 secondary filter.



## Action

The boat builder chose the Cummins Filtration **Sea Pro FH 24003 all-in-one fuel filter and fuel/water separator, with NanoNet media for marine diesel engines.** NanoNet allows for very fine filtration without added restriction. The new filter also can extend service intervals up to eight times longer than competitors. Plus, Fleetguard's FH240 Series features the best fuel/water separator available for marine engines, and all construction is ABS-certified.



## Quick Facts

- Client: **Boat Builder**
- Application: **USCG-Certified Twin Screw Towboat**
- Location: **New Orleans, LA**
- Product: **Cummins Filtration Sea Pro FH 24003**
- Engine: **Cummins QSK50 Tier 3**

## Results

The upgrade to the Sea Pro FH24003 **extended service intervals from 250 to more than 1000 hours while cutting filter and filter element changes from six to two, reducing inconsistencies in fleet maintenance and technician/machine downtime.** Decreased restriction improved engine performance and fuel efficiency. Plus, the new filter system provides better protection for fuel pumps and injectors.

This allowed the Sea Pro FH24003 system to generate **\$39,000 savings in the first year** of installation. Going forward, this boat builder **projects annual savings of \$125,000** using the Fleetguard Sea Pro technology.

