



A GREENER YACHT

By Capt. Alexander Proch M/Y Quiet Place

Finally, we are getting increasingly aware of the damage we are causing to the biosphere.

We all like our jobs. We love boats and the lifestyle, which we don't want to change. But we can change our behavior to the environment and help to make it better. I think it is our duty as captains and engineers to be aware and help make these changes and not wait for politics to make it better.

Two years ago, I found an interesting product that has the ability to change the functionality of our diesel-driven engines. At regular intervals, we normally have to change engine oil, diesel filters and hydraulic filters. We have to dispose of the old oil. It's always a big job and most of the time we don't even know what is happening to this old, unwanted oil. We pay a lot of money to get rid of it, buy new oil, pay again a lot of money to get rid of it again, and so on.

There is now a proven way to change that forever.

It is an ultra-fine oil filter with less than 0.5 micron, and a fuel filter system that includes a magnetic system on the injectors and fuel lines that improves lubrication with less – much less – wear and without oil changes. It also gives you less fuel consumption and much less smoke through clean and magnetized fuel.

The Micfil Technology system is a known system on river ships in Germany. Before the river ships began using it, they had to change their engine oil about every 500 hours, which equals about 300 to 600 liters of oil every time. These engines run day and night, so 500 hours is about 21 days. So every three weeks, they needed new oil. Not to mention having to get rid of all the old oil. It was a costly business.

This system is also used in trucks, mostly by companies that have a large fleet and mainly to keep the running costs lower and engines healthy. It is used in the mining industry to keep diesel engine equipment alive longer. Apparently, it doubles operation time on trucks and other diesel- and hydraulic-driven equipment.

After I learned about this system, the owner of Quiet Place and I decided to put it on our yacht. We have two Northern Lights 70kw generators, two Cats 3412, gearboxes and hydraulic systems. All the engines got ultra-fine filters for the engine oil, which is installed in the bypass flow, and for diesel fuel. They also got the magnets for the injectors, fuel lines and hydraulic system.

We never have to change the engine oil anymore after we installed the filters, which is up to 20 times finer than standard filters. They also take water out of the fuel. Unfortunately, we had bought an expensive Alfa Laval just one year earlier. We could have saved all that money. We improved the oil quality to better than new. We get our oil tested regularly and all the tests tell us it has improved to better than new. I know this is difficult to believe because we have always learned that we have to make regular oil changes. This is also what the oil industry would like us to believe. The fact is your oil gets better and better for your engine the longer you use it with these filters. (This is explained better in the Web site.) We got the combustion room in the engines tested and endoscope by Caterpillar. The results were very good. The Caterpillar technician told us that they have never seen such a clean combustion area.

Before we put the filters and the magnets on, we also got new injectors. Caterpillar tested the injectors 960 hours later and found them to be like new. The reason is better burning thru cleaner fuel. We now have 7 percent less fuel consumption, less smoke and no black exhaust marks anymore, which makes our deckhands and guests happy because they can sit now on the aft deck when we drive and enjoy the trip. We don't need to get rid of old oil anymore. All that we need to do is top off the oil level. We like it, the engines like it, and last but not least the environment likes it even better. The whole system is very cost effective.

Here's what we've seen the system do for us in the past two years: removes solid contaminants below one micron; increases engine life by reducing wear; better engine performance due to less friction; eliminates routine oil changes; less maintenance and repair costs; active protection of the environment by considerably less oil consumption and oil disposal; does not void engine warranty; and it's easy to install.

If you are interested, visit: www.micfil.com or call me at: +49-172-40 86 96 2 or +34-671 371 398.