

BOAT BUYERS HOT LIST

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BOATING

MARCH 1998

Trading Up? Get More \$\$\$ for Your Boat

The Incredible \$7699 Waterski Machine!

Yes! Cut Your Fuel Bill

14 Percent

Man Overboard?

What To Do

15 Docking

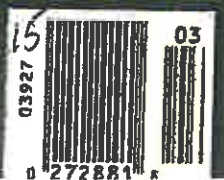
Tips That

Really

Work



Exclusive! Doral 36



CHESAPEAKE BAY FOUNDATIONS
Karen Noonan Memorial Environmental Education Center

Published As A Full Page Article In
BOATING MAGAZINE



19.1% Average Fuel Savings Reported

The test platform was the *Karen N*, a 1996 Patriot Marine 40' by 14' boat built for the Chesapeake Bay Foundation's Karen Noonan Memorial Environmental Education Center on Hooper Strait. *Karen N*'s powerplant: A Caterpillar 3116TA coupled with a Traktor waterjet drive. The Foundation's environmental mission made this boat a natural for the fuel-saving device, exhaust-reducing Rentar Fuel Catalyst.

To test exhaust emissions, they used a Wager 6500 Smoke Opacity meter, which detects the amount of particles in exhaust. Just how accurate is the Wager 6500? Accurate enough that the states of New York, New Jersey and California, among others, use the Wager 6500 for automotive emissions tests. They ran the opacity tests before and after the installation of the Rentar Fuel Catalyst and they reported the difference as startling. It registered a 10.3 percent reduction in opacity after the Rentar Fuel Catalyst was in place.

The difference in fuel burn was even more significant: Between 3.8 and 30.9 percent depending on rpm, for an average of 19.1 percent.

RPM	GPH			MPG			Range		
	Before Rentar	After Rentar	% Improvement	Before Rentar	After Rentar	% Improvement	Before Rentar	After Rentar	% Improvement
900	1.1	0.8	27.8%	5.7	8.0	40.3%	1031	1440	39.6%
1200	2.8	2.0	28.5%	2.7	3.7	37.0%	482	666	38.2%
1500	4.2	2.9	30.9%	2.1	3.0	42.8%	373	546	46.4%
1800	5.2	5.0	03.8%	3.6	3.7	02.8%	640	662	03.4%
2100	8.7	7.7	11.5%	1.5	1.7	13.3%	275	313	13.8%
2400	11.5	10.6	07.8%	1.5	1.6	06.6%	268	289	07.8%
2700	16	12.2	23.7%	1.5	2.0	33.3%	269	354	31.6%