



Magnetic Fuel Conditioners

Itchen Marine Tug Boats benefit from 17% fuel saving

Magnetic Fuel Conditioners work on a wide range of appliances, including engines. This is evidenced by the successful trial on the tugboats at Itchen Marine (Towage) Ltd in Southampton.

These tugboats work 24/7 towing barges and cargo boats in and out of Southampton port, one of the busiest ports in South England.



Energy Saving Help carried out a Magnetic Fuel Conditioner trial on the two 701hp Caterpillar engines of one of the marine's tugs, Wyeforce. During the two weeks before fitting the fuel conditioners, we recorded the daily engine running time, RPM, and fuel consumption. We then fitted two pairs of **MT-C15 Magnetic Fuel Conditioners** to the fuel pipe of each engine and recorded the same information for a further two weeks.

MT-C15

Multi-purpose (fuel and water etc) treatment product.

Suitable for thick-walled and large diameter pipes (up to 16mm)

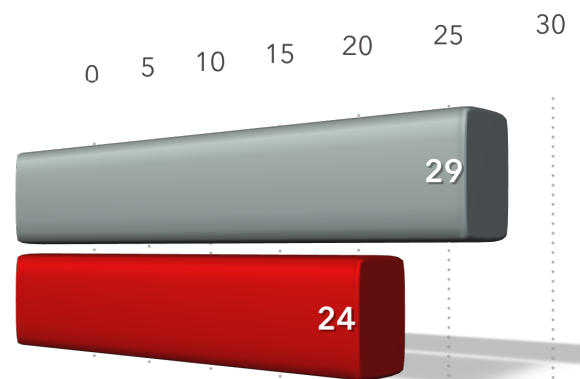
Suitable for all iron, steel, plastic, rubber, copper & aluminium pipes

The **MT-C** products are supplied in pairs, one module being south-seeking the other, north-seeking. It is intended that a single twin-module set should be sufficient to treat the fuel. The magnets generate **3500-4000 gauss** on the external contact surface of each module.

The results demonstrated a significant cost and environmental impact. The tug boat used **17% less fuel** and the **average RPM decreased from 1302 to 1196**. Additionally, the Fleet Maintenance Manager, Lee Stapleton, observed that Wyeforce was emitting fewer emissions than the other tugs and that the exhaust fumes were not as black as before.

The Fleet Maintenance Manager was pleased with the results and purchased magnetic fuel conditioners to fit to two more tugs, Wyepush and Wyepull.

■ Before Fuel Conditioner
■ After Fuel Conditioner



Litres consumed per hour

“ Wyeforce, Wyepush and Wyepull continue to save energy and reduce emissions and we are in the process of fitting more magnetic fuel conditioners to five engines in another larger tug.”

Fleet Maintenance Manager, Lee Stapleton



2 x MT-C15 Magnetic Fuel Conditioners installed on 1 of the 2 701hp Caterpillar engines.