



## The Broquet Fuel Catalyst

Welcome to the Broquet fuel catalyst, a unique and exciting product that significantly improves the combustion of hydrocarbon fuel in your car, truck or boat, leading to improvements in fuel economy, power, emissions and maintenance.

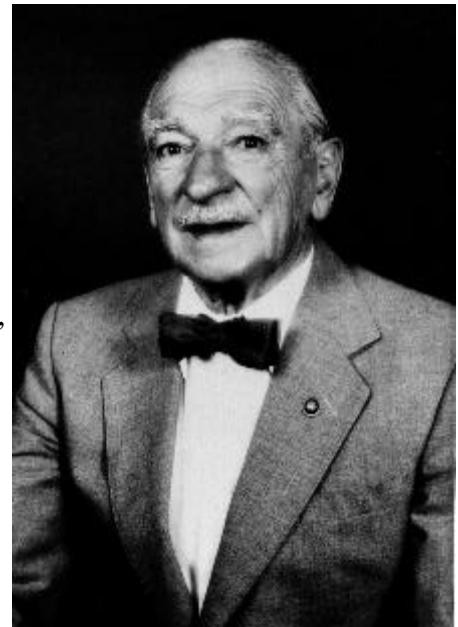
There have always been products on the market which claim economy or emission improvements, some even look similar to Broquet. However, you will see from the following information that the Broquet fuel catalyst is authentic, developed directly from the originator of the first fuel catalyst, Henry A. Broquet, and that having been tested over many years in the laboratory and proven on the road, it really works!

### History



The true story of Broquet began in 1941 when Henry Broquet, then aged 26 and an RAF engineer specialising in Hurricane fighter aircraft engines, was posted to Russia with 151 Wing. At that time the fuel available in Russia proved incompatible with the Hurricane's engine and therefore modifications to the fuel were necessary. Consequently Henry Broquet was seconded to a team of chemists and engineers who were given the crucial task of perfecting a means by which the aircraft engine could perform to its maximum efficiency using only local fuel. As some of the team already had experience in tin catalysis they concentrated their efforts in this area, eventually developing a simple but very effective fuel catalyst.

After the war, Henry emigrated to South Africa and successfully developed the fuel catalyst for such diverse applications as ocean-going cargo vessels, fishing fleets and stationary engines used in underground mining operations. Following a hostile take-over of his South African company, Henry lost the manufacturing and marketing rights to his fuel catalyst although he did keep the formula and process secret, regaining the rights in 1986, he returned to the UK and formed another company which eventually led to the formation of Broquet International Ltd. Although Henry died in 1989, the Broquet family is still connected with the Company, as Henry's son, Henry Arthur Broquet is a consultant to Broquet International Ltd.



## Technical

Broquet is a true catalyst in pellet form that is made up of a number of different metals, one of which is tin. When the pellet is in contact with petrol, diesel or oil the effect is such that the combustion efficiency of the fuel is improved. The active life of each pellet is 250,000 miles (400,000 kms), and its use not only promotes more efficient combustion but also removes, and then inhibits, the build-up of carbon deposits, waxes and gums that normally form in the combustion chamber. The main benefits are more power or improved fuel economy, less maintenance, and a significant reduction in exhaust emissions.

Another major advantage of using the catalyst in countries where unleaded petrol is replacing, or already has replaced, leaded petrol is that Broquet will generally allow the safe and efficient use of unleaded petrol in all petrol-engined vehicles.

The use of metals as catalysts to promote chemical reactions is not new. A number of different tin-alloy driven electrocatalysis reactions, in fuel hydrocarbon mixtures, which benefit combustion performance as well as fuel stability, are documented as far back as the 1930's and '40's.

## Testing

The manufacture of Broquet is not a straightforward process as it involves the blending together of a number of different metals at precise times and temperatures.. For this reason the manufacturing process is subject to a strict quality assurance programme with batch testing being conducted by an independent laboratory. This is of course vitally important if each product is to perform reliably and consistently to its full potential over its active life.

Full product testing on vehicles has been carried out by Broquet International Ltd., not only in-house but also by independent laboratories, independent motoring associations, and magazines. In addition there are many hundreds of testimonials sent in by satisfied users of the product.

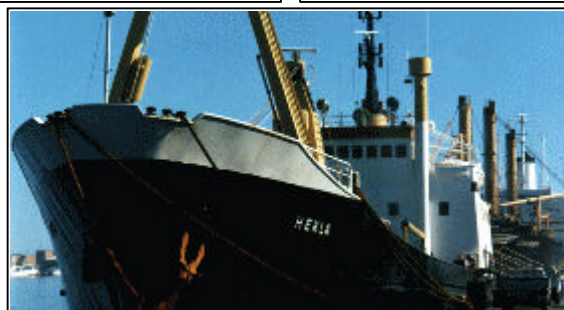
## Applications



The product works when the surface area of the Broquet pellet comes into contact with the hydrocarbon-based fuel. This can be achieved by either inserting the pellets directly into the fuel tank of the vehicle/vessel (this is the most cost effective method with smaller engines) or by inserting the pellets into the fuel line using the appropriate container. Either method will be effective for all engines and the final choice of method is usually based upon cost or customer preference.

The applications for the Broquet fuel catalyst are many and varied as they include every engine that is fuelled by petrol, diesel or oil.

Some individual examples of Broquet applications are shown below:



## Summary

Whilst there is presently much experimentation with alternative fuels it is expected that petrol, diesel and oil fuelled engines will be with us for some considerable time to come. However, by using the Broquet fuel catalyst these engines can all be made to burn fuel more efficiently leading to better fuel economy or more power, reduced emissions, and a cleaner engine. Therefore whether you have a car, truck or

ocean-going vessel, the Broquet is guaranteed to be able to help cut your fuel costs and emissions - or your purchase price will be refunded!

Broquet International Limited already export to over 20 countries and because of increasing world-wide interest, are looking to increase coverage. Therefore should you want to purchase a Broquet unit, require more product information or are interested in marketing the product please contact:

Malcolm Clements  
Marketing Director  
Broquet International Limited  
54 Regent Street  
Rugby  
Warwickshire  
CV21 2PS  
United Kingdom

Tel (+44) 01788 540068

Fax (+44) 01788 541396



[info@broquet.com](mailto:info@broquet.com)

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