



June 22nd, 2011

Reporter: Mr. Tasaki (researcher in Kitakyushu R&D Office)

RECYCLE ENERGY CO., LTD.

5-11-4, Hikino-cho, Fukuyama City, Hiroshima, 721-0942, Japan

TEL +81-84-971-5950

FAX +81-84-946-6766

Operating Status of the 5kg/h Pilot Plant

Currently we're operating the 5kg/h pilot plant and doing a research in a larger scale to know more about the different results from those conducted by the university laboratory.

Regarding the plant converting waste plastics into oil, we are trying to do the research in many different ways in order to derive the oil suitable for use even when the feedstock contains a high proportion of PVC. Furthermore, we are also trying to improve the catalyst so as to make it possible to convert Polycarbonate, ABS, waste tyre, and etc.

Regarding the biodiesel production (converting waste cooking oil, beef fat, lard and etc.), we keep challenging on high yield of the cracked oil with better quality by operating the plant under various conditions such as using different catalyst / different quantity of the catalyst, feeding the plant in different ways, or changing the reaction temperature.

From now on we will sum up the data, aiming to obtain better data than the one obtained by the university laboratory, and to explore all the possibilities.

On the other hand, we also focus on the safety aspect of the plant. We will keep on our research to make the operation safer and more accurate.

