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We operate our Biodiesel plant on our 240 Acre resort in Bermuda. Tucker's Point has long been a favorite resort for world travelers. In 2009, we invested in a containerized Biodiesel Plant which became available for a reasonable price. Being new to the biodiesel game, we quickly became engulfed in the process and results. We have three restaurants on the resort producing up to 160 us/gals of wvo bi-weekly. We also have several contacts which provide us with free wvo on a regular basis. Early results were good, however, something was just not right. Finding PA Biodiesel on-line and ordering two Centrifuge kits was the answer. Joe was fantastic to deal with right from the start. Dealing overseas can be a challenge at any time; however, dealing with Joe was quick and easy. He answered all questions and concerns we had and continues to encourage us to call him if we have any inquiries, questions or concerns. The Centrifuges have allowed us to produce top quality biodiesel which we use in several of our diesel trucks and emergency generators throughout the resort. We have modified and customized our system to simplify and guarantee consistent quality and cleanliness.

Our step by step process includes; (See attached photos)

- drawing 45 usgals from our 500 usgal wvo holding tank.
- run 45 usgal from holding tank through a racor water filter into our heated drum.
- bring oil temperature to 120-140F
- run heated oil through Centrifuge #1 directly into Primary mixing tank.
- operate recirculation pump while drawing in 8 usgals methoxide
- mix for about an hour and immediately move product to secondary tank and begin washing process. One hour of washing at 100-110F water is sufficient.
- product is now moved to our drying tank for another few hours heated to 120F.
- once temperature is achieved, we then move product through centrifuge #2 to guarantee best results.
- product is now ready for use.

Our current setup allows us to produce 80-120 usgals per day and up to 20 000-30 000 usgals/year.

Notes and Highlights of our operation.

- utilize a 6500W diesel generator which burns 100% biodiesel to power all necessary electrical needs
- utilize a Methanol recovery system, reclaiming up to 75% of our methanol.
- produce Glycerin bar and liquid soap for use throughout the resort and for re-sale.
- utilize a tankless hot water system to produce hot water for our general use and our water wash process.
- utilize two delivery systems (tanks) for final product. Some vehicles use B100 fuel while the remaining vehicles and emergency generators use a B50 mix.
- we package 20 usgal of primary and secondary water wash for use as weed killer. (first 8 gal sits for 30 mins then is drawn off. Second 8 gals sits for 15min before being drawn off. Final continuous wash proceeds for about an hour or until desired pH levels are achieved).

