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(57) Abstract :

The present invention generally relates to a method and system for producing biodiesel. The system includes a methanol mixing tank configured for mixing methanol with catalyst using a portable stirrer, wherein methanol is pumped from a methanol storage tank to the methanol mixing tank via a pump; a reactor equipped with a hot water jacket in continuation with the methanol mixing tank for mixing methanol with oil by employing a pump at 50-52 degree temperature, wherein the oil is received from an oil tank in a controlled manner through a valve; and a plurality of separating tanks configured with water and steering for separating glycerol, waste water and biodiesel which is further transferred in separate movable tanks for collecting separated glycerol, waste water and biodiesel, wherein multiple times reactions are performed after transferring reaction oil to separating tanks using the pump.

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