

## HOW TO USE THE GATS JAR

1. Check the condition of the separator screen for tears or damage. **NOT USEFUL FOR FUELS WITH ETHANOL.**
2. Select the appropriate sump valve actuator tip.
3. Draw, examine, and retain all fuel samples in the normal course of the preflight inspection, observing color for proper octane against the back of the bottle sticker with the main light source behind the observer.
4. Check for water sitting on top of the separator screen material. Use a bypass hole to get any excess water droplets inside the collection jar before separation.
5. Clean the top surface of the separator screen with a dry, absorbent tissue or cloth making sure all water is removed from the screen cells.
6. ***Before proceeding make sure the actuator part is firmly seated in the separator or removed so it will not fall into the fuel tank.***
7. While visually checking the last fuel tank level, pour all the collected fuel samples back into the fuel tank through the bottom screen segments of the separator, taking care not to tip the GATS jar too far, or too aggressively, thereby over-pouring the separator screen or spilling fuel samples.
8. Pour any water that may have been separated out of the fuel samples, which have been trapped in the collection jar onto the ground through the bypass holes.

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## TESTING FOR HEAVY FUEL CONTAMINATION

**AVGAS Users only** - Immediately after pouring the sampled fuel back into the tank, gently blow on the separator screen from about 8 to 10 inches away for at least 30 seconds, observing the evaporation of the sample fuel from in between the screen fibers. Except for any water drops, all screen openings should be free of liquid within about 60 seconds. After the initial wave of evaporation, the remaining fuel trapped in the screen might be jet fuel or some other inappropriately heavy fuel. This may vary with environmental factors.

## CLEANING

If the tester ever does not effectively separate fuel and water, or it becomes dirty with contamination particles, a cleaning is necessary. First, unscrew the separator from the collection jar. Wash the separator carefully with a mild detergent and water. Rinse with fresh water and let dry. To clean oils or greasy dirt after the water wash, use clean gasoline or charcoal lighter fluid and a soft bristle brush and then let dry. These baths should remove all contaminants and recondition the separator screen material.

## WARRANTY

The GATS Jar Fuel Tester is warranted against defects in manufactured parts and materials for as long as you own your tester.

***For More Information Visit [www.aerosample.info](http://www.aerosample.info)***