

Do-it-yourself Alcohol Percentage Detection

You might be interested in testing your next tank full of gasoline. You need just a syringe graduated in cubic centimeters (cc), a splash of gasoline and some water. A 20 cc syringe works just fine. Here's what you do:

- 1- Draw about 6 cc of water into the syringe. Point the nose of the syringe skyward and squirt out all but 3 cc. By squirting the extra water out it neatly removes the unwanted air.
- 2- Draw gasoline into the syringe up to the 12 cc mark, 9 cc of gasoline.
- 3- Close off the tip of the syringe with your finger and shake it vigorously. Slowly remove your finger to relieve the pressure.
- 4- Hold the syringe, tip up, for a minute.
- 5- Examine the syringe. Alcohol in the gasoline will join with the water and drop to the bottom of the syringe.
- 6- Consult the chart to determine the percentage of alcohol to gasoline.

<u>Graduated Mark</u>	<u>Percentage of Alcohol</u>
9.0 cc	0
8.6 cc	5
8.1 cc	10
7.7 cc	15
7.2 cc	20
6.8 cc	25
6.3 cc	30
5.9 cc	35
5.4 cc	40

Don Booth - Former Seabee owner