



Alcohol Content in Gasoline

Meets ASE Ta	ask: A8 – D-7 – P-2			
Name:		Date:	Time on Task:	
Make/Model	/Year:	VIN:		
Evaluation (E	nter number from 4, 3, 2, 1) :			
<u> </u>	Pour suspect gasoline into a small clean beaker or glass container.			
	DO NOT SMOKE OR RUN THE TEST AROUND SOURCES OF IGNITION!			
2.	Carefully fill the graduated cylinder to the 10-mL mark.			
<u></u> 3.	Add 2 mL of water to the graduated cylinder by counting the number of drops from an eyedropper. (Before performing the test, the eyedropper must be calibrated to determine how many drops equal 2.0 mL.)			
4.		n the cylinder and shake vigorously for 1 minute. Relieve built-up pressure by oving the stopper. Alcohol dissolves in water and will drop to the bottom of		
<u> </u>	Place the cylinder on a flat surface	ace and let it stand for 2 minutes.		
<u> </u>	Take a reading near the bottom	n of the cylinder at the boundary between the two liquids.		
7 .	For percent of alcohol in gasoline, subtract 2 from the reading and multiply by 10.			
	For example, the reading	is 3.1 mL: 3.1 - 2 = 1.1 X	10 = 11% alcohol	
	The reading is 2.0 mL: 2	- 2 = 0 X 10 = 0% alcohol	(no alcohol)	
	If the increase in volume is 0.2% alcohol. Alcohol content can als	•	ed that the test gasoline contains no ectronic tester.	
□8.	Based on the test results, what action is necessary?			

