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## DEF Concentration Tester Specifications & Instructions

**Acustrip 41108**

**Please read all instructions and safety information prior to using product.**

ACUSTRIP offers a quick, convenient and affordable way to check your Urea DEF Concentration often. Keep your engine running smoothly and increase your miles per gallon by using the 41108 DEF Concentration tester on a regular basis. This tester works with all diesel vehicles (cars and trucks) manufactured after January 1, 2010. Simply take a sample of the DEF and read the floating disks. The floating disks indicate the percentage of Urea concentration in the DEF regardless of temperature.



### Usage

Diesel Exhaust Fluid is made up of 32.5% automotive grade urea and 67.5% ionized water. The concentration of the DEF **must** be 32.5% urea (+/- 0.7%). The DEF concentration should be checked when; the vehicle has been stored for an extended period of time, it is suspected that water has been added to the DEF tank, or the warning light appears on dashboard.

Failure to maintain 32.5% urea concentration may result in injectors becoming clogged, loss of fuel efficiency, failure to meet EPA exhaust requirement. If the DEF concentration does not meet this specification, drain the tank, flush the tank with distilled water, and fill the tank with new and/or known good DEF.

Unlike expensive refractometers, the 41108 DEF Concentration Tester provides a quick and affordable way to test your DEF at every fill-up. The temperature compensating discs assure a quick and accurate reading regardless of whether your DEF is hot or cold.

## Summary of the Test Procedure

Fill the DEF Tester with a sample of the DEF to the fill line by placing the hose in the fluid with the end above the fluid level and squeezing the bulb. Tap out any air bubbles.

The number of floating balls shows the Urea Content and recommended action:

0	< 29%	Change Fluid
1	30%	Change Fluid
2	32.5%	Ideal No Service Required
3	35%	Change Fluid

## Sampling in Semi Trucks and Larger Applications

1. Locate the petcock.
2. Place a small clean container below the petcock.
3. Drain a small amount of DEF into the container and close the petcock.
4. Place the DEF tester tube into the DEF in the container, squeeze bulb.
5. Pinch the hose and obtain the reading.

## Sampling in Passenger Cars and Some Trucks

1. Unscrew the cap of the DEF tank and place the hose into the DEF Tank.
2. Squeeze the bulb.
3. Release the bulb slowly to prevent air bubbles from forming.
4. Pinch the hose and obtain the reading.

Refer to the service manual if the DEF tank needs to be removed to check the fluid.