

DESCRIPTION

The CWT TITRETS test provides a safe and easy method for determining cooling water treatment levels. Each Titret ampoule contains premeasured, vacuum-sealed liquid titrant. A flexible valve assembly containing red indicator fits over the tapered tip of the ampoule. Sample is drawn into the ampoule until a color change from green to bright orange signals that the titration is complete. The liquid level in the ampoule corresponds to scale units marked on the ampoule's outer surface. The scale units correspond to ppm cooling water treatment level.

APPLICATION & USE

For use with LIQUIDEWT™ cooling water treatment and MAXIGARD® diesel engine water treatment.

TEST KIT CONTENTS

- 30 Titret Ampoules
- 30 Valve Assemblies
- 1 Titrettor Device
- 1 Sample Cup
- Instructions

PROCEDURE

See reverse side for accompanying test procedure figures.

1. Fill the sample cup to the 25 ml mark with sample (Figure 1).
2. Slide the open end of the valve assembly over the tapered tip of the ampoule so that it fits snugly to the Reference Line (Figure 2).
3. Snap the ampoule tip at the score mark (Figure 3).
4. Lift the control bar and insert the ampoule assembly into the body of the Titrettor device (Figure 4).
5. With the tip of the sample pipe immersed in the sample, press the control bar firmly, but briefly, to add a small amount of sample to the ampoule (Figure 5). The contents will turn a green color.

NOTE: Do not press the control bar unless the tip of the valve assembly is immersed below the surface of the liquid.



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6. Press control bar again briefly to add sample (Figure 5).
 7. After each addition, rock the entire assembly to mix the contents of the ampoule. Watch for a color change from GREEN to BRIGHT ORANGE.
- NOTE:** Immediately before the contents turn bright orange, they will briefly turn blue. Make further additions with care.
8. Repeat steps 6 and 7 until a permanent color change occurs.
 9. When the color of the liquid changes to BRIGHT ORANGE, remove the ampoule from the Titrettor device. Hold the ampoule in a vertical position and carefully read the test result on the scale opposite the liquid level. Refer to Figure 6.

AMPOULE SCALE READING VS. PRODUCT CONCENTRATION

LIQUIDEWT	
SCALE	PRODUCT (ppm)
1.2	10,000
1.5	13,000
1.8	15,000
2.5	22,000
3.0	26,000
3.5	30,000

NOTE: REFER TO THE SPECIFIC CONTROL TEST CARD FOR SATISFACTORY RANGES.

MAXIGARD	
SCALE	PRODUCT (ppm)
1.6	19,000
1.8	22,000
2.0	24,000
2.5	30,000
3.0	36,000
3.5	42,000
4.0	48,000

NOTE: REFER TO THE SPECIFIC CONTROL TEST CARD FOR SATISFACTORY RANGES.

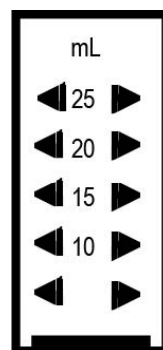


Figure 1

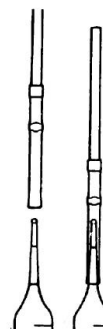


Figure 2

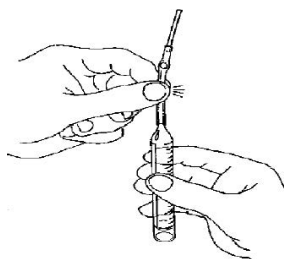


Figure 3

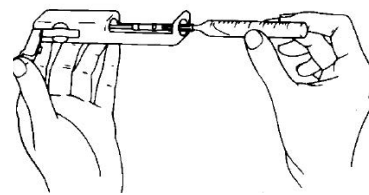


Figure 4

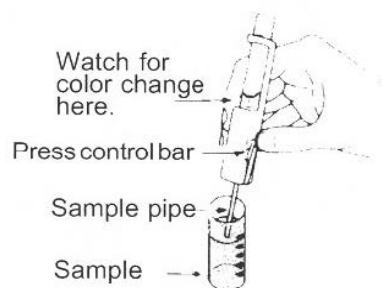


Figure 5



Figure 6



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