

CWS Test For EC-485

For Closed Recirculating Water Systems With or Without Glycol

PROCEDURE:

Note: It is advisable to perform a blank with make-up water, or water glycol, to which no treatment has been added. By following steps 1 to 6 the number of drops for the blank test should be subtracted from the number of drops obtained from the sample test. A hazy sample should be filtered.

1. Take a 10 ml. Sample, add 15 ml of water.
2. Add the following:
 - 1 drop Thiosulfate N/10 **EC-R0697** and mix.
 - 2 drops of pH indicator **EC-R0820**, mix, sample will turn blue.
3. Adjust the pH to 2.5—3.0 by adding Sulfuric Acid, **EC-R0686** until the sample changes color from blue to yellow. (1—3 drops).
4. Add level dipper of Phosphonate Indicator Powder, **EC-R0810**. Solution will change color to light green.
5. Add titrating solution **EC-R0815** one drop at a time, swirling and counting the drops until permanent brown to purple endpoint appears.
6. Record the number of drops and subtract the number of drops obtained from the blank test.

RECOMMENDED PARAMETERS:

Due to changes in feed water and operating conditions, these recommendations must be considered as best approximations.

Closed Recirculating Systems: . . . 32 to 38 drops.

INTERPRETATION OF ANALYTICAL RESULTS:

Results over 38 drops . . . Sufficient **EC-485** in system.

Results under 32 drops . . . Add **EC-485** as required per test results.

For More Information
Consult your **ENERCON** Technical Field Representative.

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