



SYSTEM VOLUME TEST*

Customer: _____

Address: _____

Contact: _____

Phone: _____ Fax: _____

Sales Rep: _____

Mail Test To: _____ Customer _____ Sales Rep.

Send: _____ Sample Bottles _____ Label Sets

_____ lbs. sodium molybdate powder in individual 5 gallon pail(s), or
_____ gallons of 35% active liquid sodium molybdate.

NOTE: For every estimated 10,000 gallons of system volume, use 5.0 pounds of powdered sodium molybdate or 2.0 gallons of 35% active liquid sodium molybdate to achieve a 20 ppm increase in the Mo concentration. For an estimated system volume (in gallons), use system tonnage x 10.0.

Pricing Information:

<u>Calculated System Volume (gallons)</u>	<u>Test Costs</u>
0 – 49,999	\$ 500.00
50,000 – 99,999	\$ 650.00
100,000 – 249,999	\$ 800.00
250,000 and higher	call for price

****See next page for test procedure instructions***

Special Instructions:



Procedure:

1. Measure the molybdate concentration (ppm as Mo) in the system's recirculating water.
2. Close the bleedoff valve for the system.
3. For closed cooling water systems, make sure that all valves to associated package air-conditioning units are open before beginning the test.
4. Dissolve the powdered molybdate in a pail of water and add the solution quickly to the system.
5. Allow the system to circulate until complete mixing has occurred (usually 15 - 30 minutes). Obtain a second sample and determine its molybdate residual. Calculate the increase in molybdate concentration (Sample "B" concentration - Sample "A" concentration).

6. For sodium molybdate powder, determine the system volume as follows:

System Volume (gallons) =

$$\frac{(47,520) \times (\text{lbs. molybdate powder added})}{(\text{ppm molybdate residual increase})}$$

7. For 35% active liquid sodium molybdate, determine the system volume as follows:

System Volume (gallons) =

$$\frac{(90,288) \times (\text{gallons of product added})}{(\text{ppm molybdate residual increase})}$$

8. For salt (sodium chloride), determine system volume as =

$$\frac{(72,800) \times (\text{lbs. salt added})}{\text{ppm Cl increase}}$$