

SUGGESTIONS FOR USING THE HYDROCLOR-Q TEST KIT

HydroClor-Q is designed for use on water and oil/water mixtures. For accuracy, the sample should contain more than 70% water. Samples containing more oil (less water) may be tested accurately if the following correction is used.

$$\text{True Concentration} = \text{Reading from syringe} \times \left(\frac{10 + \text{ml oil in sample}}{10} \right)$$

For example, if the sample contained 6 ml water and 4 ml oil (60% water) and the reading off the syringe was 2000 ppm, then the true concentration would be:

$$2000 \left(\frac{10 + 4}{10} \right) = 2800 \text{ ppm}$$

For samples that contain >80% oil, use Clor-D-Tect Q4000, designed for used oil analysis.

CONVERSION FACTORS FOR HYDROCLOR Q

Multiply result obtained by appropriate conversion factor

Percent Oil	Percent Water	Conversion Factor
100	0	2
95	5	1.95
90	10	1.9
85	15	1.85
80	20	1.8
75	25	1.75
70	30	1.7
65	35	1.65
60	40	1.6
55	45	1.55
50	50	1.5
45	55	1.45
40	60	1.4
35	65	1.35
30	70	1.3
25	75	1.25
20	80	1.2
15	85	1.15
10	90	1.1
5	95	1.05
0	100	1