



Ref: FAQ0199

Version: 1.0

Title – Permanet LX graphs explained

Made By: AB 17/09/15

(Issue 2)

Explanation of Permanet LX leak noise graphs

1. This graph indicates a no leak situation – the leak line is at zero. The noise and spread lines shows the ambient level of noise recorded and the spread of the noise being comparatively consistent over a 3 month period.



2. This demonstrates a leak situation developing following a no leak period – the leak line moves from zero to 1 to show the detection of a leak. Also notice how the noise increases when there is a leak and the spread reduces. Generally the narrower the spread of noise the more likely it indicates a leak.





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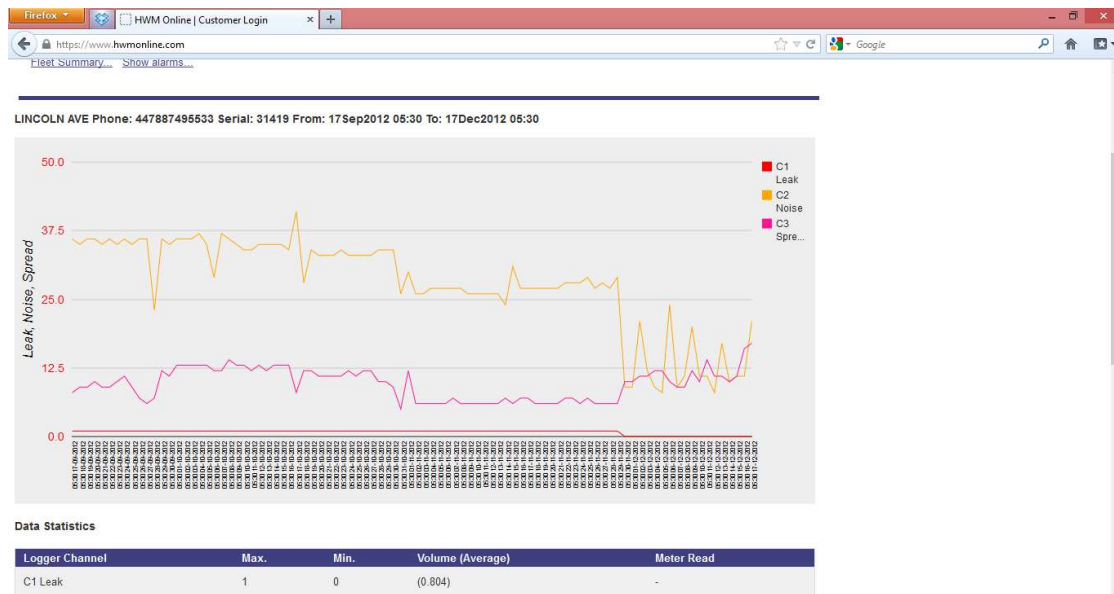
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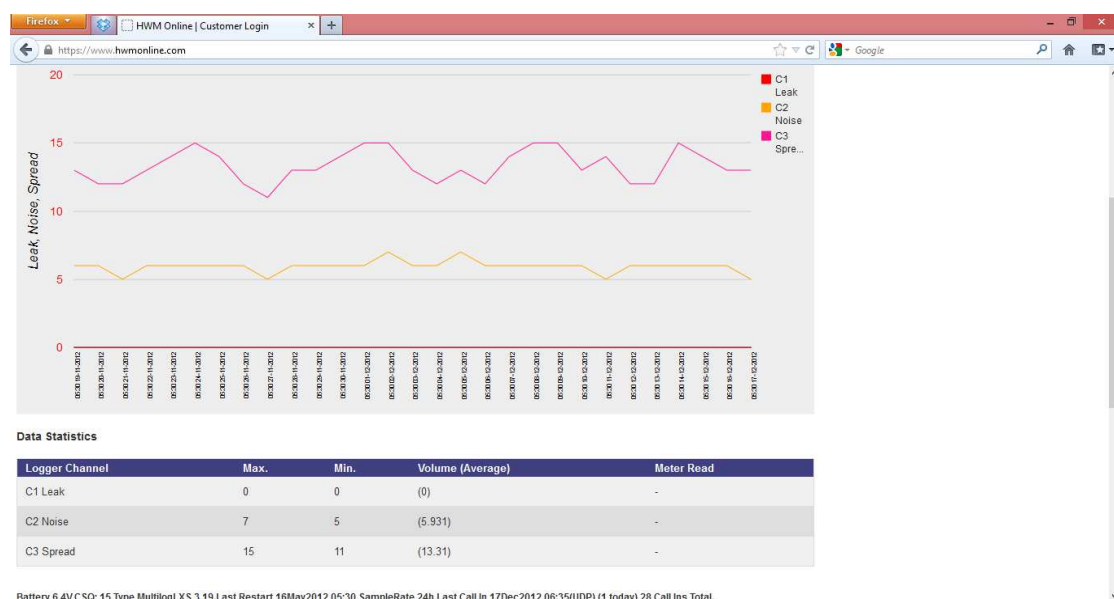
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- This demonstrates a leak situation – leak line at 1, high noise and narrow (low) spread then the leak has been corrected and the leak line goes to zero, reduced noise, higher spread.



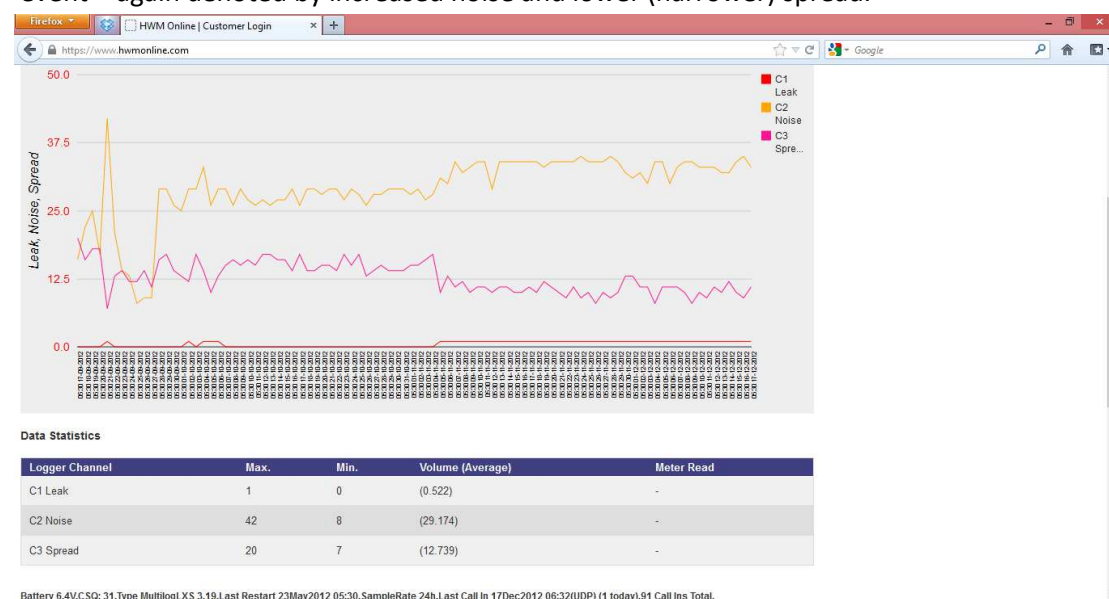
- This is a no leak situation – leak line at zero, level of noise moderate and spread of noise wide



5. Leak indicated by leak line moving to 1, noise increasing dramatically and spread reducing. Notice how a later increasing noise event is not a leak because the spread also increases indicating a general increase in ambient noise level.



6. Several leak conditions denoted by increasing noise but narrowing spread and then an ongonig leak event – again denoted by increased noise and lower (narrower) spread.



You will notice that in each of the above examples above a complete picture only emerges after the logger has been working for a period of time.

Document History:

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Edition	Date of Issue	Modification	Notes
1st	14/01/13	Release	
2nd	17/09/15	Format update	