Deus video translation package

Sentences taken from the XP Deus elliptical coil video found on this link :  
<https://youtu.be/VYy2LLL89PY>

Many people ask, what’s the best way of testing your machine at home, are air tests any good.   
Come on, let’s get into the Skill School and do some experiments.

00.21  
Lots of people ask me, what tests do I carry out on new machines, well I have carried out the standard tests over many many years. Even before I go out onto a field, these tests just give me a good idea on how the machine is going to perform.  
Do these tests equate to what’s going to happen in the field….I will let you decide, primarily this short video is to show you the advantages of a high frequency search coil.

0.50  
The series of experiments I am going to show you involve Ferrous and Non-Ferrous items, how can you tell Ferrous from Non-Ferrous….Simple, Ferrous is magnetic. Non-Ferrous isn’t.  
So the trick to getting the best performance out of your machine is subtracting the Ferrous from the Non-Ferrous.

1.14  
I am using the XP Deus version 4, Deus Fast factory pre-set program.

The first test is the bar and the coin, the idea is to put the bar through the coin and see how the machine separates the two.

1.37  
What happens when they are combined.

1.56  
First of all we are going to try the 14Khz with the bar through the centre of the coin, and see what depth we get.  
  
2.22  
Now the 54 Khz

2.46  
There is approximately 3cm difference.

2.50  
This next test uses a simple pop rivet, why do I choose a pop rivet…well it has a non-ferrous disc at one end, and the bar through the middle is ferrous.

Let’s see if the machine can sort out the non -ferrous from the ferrous.

3.10  
First of all we are going to the non-ferrous side using 14Khz.  
It gets lost around 6cm.

Now the ferrous end, as you can hear it’s a low tone.

3.28  
Now the 54Khz.  
That’s a big difference, as you can see it’s off the scale.  
  
3.53  
And back again.

3.59  
And now the ferrous end.

4.09  
I will let you see that again…Here we go.

4.25  
How interesting was that, that is a difficult test, try it at home, alright there are different sizes of pop rivet but give it a try and let me know how you get on.

4.37  
The second test is just as difficult, ferrous and non-ferrous again, we are using a small paperclip, ferrous, and a small medieval cut quarter silver coin. We are going to connect the two together and do an experiment.  
  
5.02  
I am going to start the test using 14Khz.

5.10  
It’s choppy up to about 3cm.

5.22  
Now 54Khz.

5.43  
Ferrous….Non-ferrous.

5.54  
Still on the ferrous, non-ferrous subject, the nail test. This is something everyone can do at home, and you will see how well the Deus separates ferrous from non-ferrous.

6.21  
Let’s keep going.

6.26  
This is Deus fast by the way.

7.00  
Now I have run out of nails.

7.11  
Let’s remove the coin.

7.20  
Small Gold, this is really, really difficult for a metal detector to find, especially if it is made up of a series of links. Or in this case is an ear ring but the loop is broken so it is almost a horseshoe shape.

This is a very difficult target, it reads the same as, believe it or not, a CD.  
I have used a CD so you can do this test at home, because everyone has CD’s and not everyone had got small pieces of Gold.

But this experiment works exactly the same with a thin Gold chain or fine pieces of jewellery.

8.07  
26 on the target ID.

8.13  
Now let’s try the Gold ear ring.

8.29  
That’s amazing, they give the same readings.

8.43  
14Khz, very good, 7cm.

9.00  
Now 54Khz.

9.10  
WOW ! off the scale again.

9.21  
Well that’s the series of air tests, so what difference does the high frequency coil make, when in the soil.  
  
9.31  
Mineralised soil, I have some heavily mineralised soil here, from a place in the UK, it’s not from overseas.  
How mineralised id it ? Well it’s so mineralised ….Your pin point probe just picks up on it.

9.49  
Ok so that’s your mineralised soil, let’s see how the detector performs with targets ON THE SURFACE using 14Khz and 54Khz.

10.03  
Just pay attention to the mineralisation bar on the right of the Deus screen when I pump the coil on the mineralised soil.

10.23  
It reads 80, but I am not going to adjust the ground balance, I am keeping it at 90 for all of these tests.  
  
10.38  
A fibula, Gold ear ring and Silver coin.  
First we have the Gold ear ring at 14Khz.

11.04  
Now 54Khz.

11.13  
That has now improved the target response considerably.

11.30  
The small Silver coin, let’s try it at 14Khz.

11.40  
Pretty good, but about half the air depth.  
Can you see how the soil kills the performance.

11.48  
54Khz  
  
12.02  
That’s added about 2cm to the depth and really cleaned up the signal.

12.06  
Now a reasonably large fibula.  
14Khz.

12.23  
There’s a fair bit of Iron contamination to that audio.

12.30  
54Khz  
  
12.46  
Brilliant ! more depth and a cleaner audio response.

13.04  
14Khz, it’s a bit choppy

13.11  
54Khz  
  
13.24  
Trust me that is a really difficult target to find.

13.30  
Well that’s our short video on high frequency coils, and I am sure you will agree, they do make a difference. Especially when looking for those low conductivity targets.

Are air tests conclusive….NO, are they the holy grail of metal detecting…NO. It just gives you another line of thought, and these tests are something I have been using for many many years on different machines and it kind of gives me an idea of how the machine is going to perform when I get out there.

14.02  
Don’t forget to drop into the XP classroom, there’s lots of video’s and blogs. We have also got some fantastic video’s on the XP You Tube Chanel, so please drop in and say Hi and thanks for watching…see you soon