

# Operative Recovery Solution JMR Ltd;07

Test Report 14.09.2015

20 June 2016

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# Operative Recovery Solution JMR Ltd; 07, 14.09.2015

## Test Program

### Test description

Product is absorbance not a binder.

The efficiency of absorbance is based on high capillary attraction and cavity size (porosity).

After the base material has been saturated there is no visible leakage or dissolution to absorbed solution. One (1) litre absorbent may absorb about 0.9 litre oil.

The purpose of test was to evaluate the functionality of absorbent cushion in oil trap well of gasoline station.

1. The weigh of absorbent cushion was accurately weighed before and after of absorption
2. Test was performed once by leaving absorbent cushion into oil trap well for a 7 days
3. Test was carried out 7.9.2015 and 14.9.2015

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## Implementation of Test

Test was carried out according to the test program.

The absorbent cushion was weighed before it was set into oil trap well.

Volume of the absorbent grain was 3.5 l and absorption capacity was 3.15 l (informed nominal capacity 3 l).

1. Weighing was completed beforehand on the test field.
2. Test was performed once in Gasoline Station in Kaarina, Turku, Finland.
3. After the weighing the cushion was lowered into oil trap well and fixed into a metallic link inside the well.
4. Based on visual observation there were some centimetres oily water in the bottom of the well.
5. The lid was closed after setting the cushion into well
6. After 7 days the cushion was lifted up from well and water was drained out of cushion. There were no visual observation about drainage of oil or oily water.
7. Cushion was weighed
8. The oil trap well was dry when cushion was removed due there were no rain during in near past

Photographs in following pages demonstrates the implementation of test

# Operative Recovery Solution JMR Ltd; 07, 14.09.2015

- Starting point 7.9.2015; Temperature 14 °C, low wind, dry weather



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- End of the test 14.9.2015; Temperature 16 °C, low wind, dry weather



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### Observations during performing the test

Water seemed to soak into cushion fabric and not to absorption cushion. After taken away water seem to pour out of cushion.

It seem to be logical to assume that the increase of the weight is caused by oily water in oil trap well, increase of the weight was approximately 40 % according to expectations.

Due to dry weather there were no drainage water on the field and therefore there is no evidence how the absorbent would work in a strong flow of water. However, based on earlier experiments that could possibly increase absorbance.



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