

# TESTRESULTS

## Test of the Unisep miniskimmer F 560 S By the Norwegian Pollution Control Authority (SFT)

*The day of test: Monday 14.10.1999*

*Temperature in the oil basin: 12 degree C*

*Test oil: Norne oil-with a high content of wax and sticky*

*Viscosity of the oil : 950 cp sek<sup>10</sup>*

*Volume of test oil : 2000 litres (app 530 gallons)*

The Unisep miniskimmer F560S is a small compact skimmer with the engine –skimmer -oil pump all mounted to a solid unit. A special designed recovery bag can be adapted directly to the outflow of the skimmer. the skimmer is built to operate close to the beach area. The F560S can easily be handled with just one operator. Or where the water is a little bit deeper-with a small boat-needs two persons. The recovery bags is made for volumes up to 600 litres. The oil pump is technical a small eccentric pump, with a max capacity of 3000 litres of oil per hour (app108 cbf)  
Weight app 90 kg LxWxH =31x20x32 inches



TEST 1

### Test no 1.

The skimmer is tested in calm water  
Measured capacity: 1200 litres/hr (app 320 gallons)  
Oil thickness in basin : 1,2 inch.  
Free water in the recovered oil <10 %

### Test no 2 .

The skimmer is tested with a streaming water of 0,4 knots.  
Oil thickness in the basin app. 2 inches  
Measured capacity, 1750 litres/hr (app 790 gallons)  
Free water in the recovered oil <10 %

### Test no 3.

Same conditions as test no 2 but the skimmer is handled with a crane and pushed against the light boom.  
Measured capacity: **3000** litres/hr (app.790 gallons)  
Free water in the recovered oil <10 %



TEST 2 AND 3

### Test no 4.

Same conditions as test 2 and 3.  
Measuring the time to recovered the 2000 litres of ,  
oil stored in the basin: **1 hour**  
Oil thickness in basin: 2-3 inches

**Disassemble and clean:**

The F560S is very easy to disassemble and clean.



The conclusion of this test is that the UNISEP miniskimmer F560s is working very well with oil near the beach area.

The skimmer is not tested with polluted oil.

*Arvid Reinertsen*