Instruction Manual for Wintex 1000:

To Wintex 1000 number 1500-

Manufacturer:	***WIntex Agro ApS*** Faartoftvej 240 DK-7700 Thisted
Type designation:	Wintex 1000
Voltage:	12 volt DC
Production year:	2009

Soil sampler type Wintex 1000 observes the European Union's Machine Directive 98/37/EF

Read this instruction before using the machine.

Before starting the Wintex 1000 you have to make sure that no one is present within a range of 10 metres.

You have to be seated correctly on the ATV with one leg on each side of the seat and the hands correctly placed on the steering wheel.

When inspecting the machine you must always activate the emergency stop and the ATV has to be turned off.

Each time you start up the machine you have to test the emergency stop. If the emergency stop does not turn off the machine, you must not use the machine.

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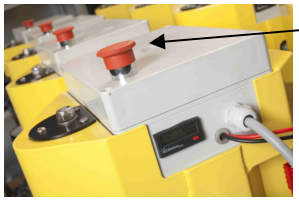
1. Starting:



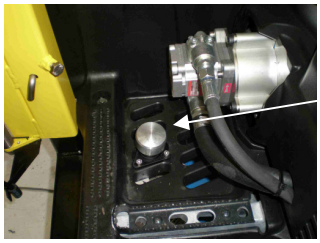
Picture 1.

Start the ATV and deactivate the emergency stop. See picture 1. The red button must be up.

Activate foot switch and brake handle on the steering wheel, and push the button at your right hand. Foot switch and brake arm have to be activated during the entire process, if one of these switches are released the process will stop. The switch at your right hand is activated by one push only.

Note: Emergency stop always has to be activated at long stops.

2. Stop of Cycle:



Picture 2.

It might be necessary to stop the cycle due to various reasons, for instance stones, etc. in this case you just have to deactivate the foot switch (see picture 2), and the cycle stops immediately. When reactivating the foot switch, at the same time as the brake handle is activated, the probe will go to start position.

3. Replacement of Probe:

The emergency stop is activated and the ATV turned off.

Picture 3

Use two 27 mm keys to loosen the probe.

When you mount the new probe it must be placed precise. The slide must be against the soil box, when the rotation stops and the soil is pushed out of the probe.

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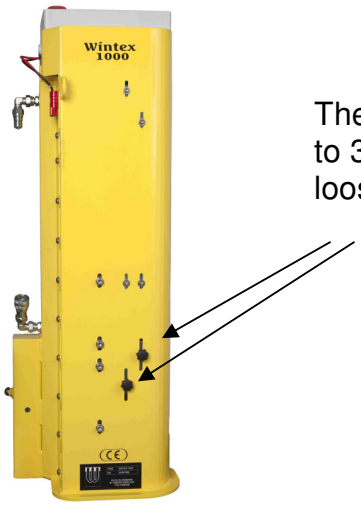
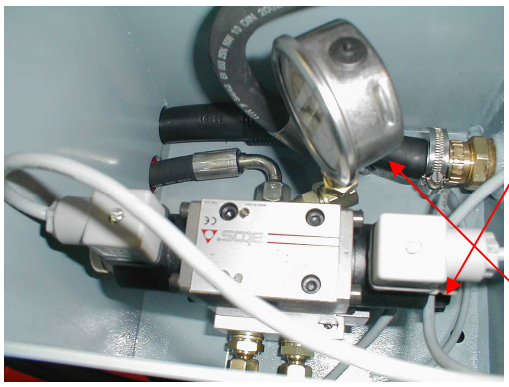
3. Adjustment of the probe depth:



The depth that the probe can penetrate the soil can vary from 10 to 30 cm. It is adjusted by lowering the switch. This is done by loosening the fingerscrews. (See picture 4).

Picture 4.

4. Adjustment of Oil Pressure.



Picture 5

The oil pressure is preset for 50 bar downward and 80 bar upward respectively ex works.

The pressure can be altered by adjusting the small thumbscrew on the back of the valve block. When adjusting the pressure the quick couplers on the hose ends are disconnected and by operative the switches you can read the pressure directly on the mounted pressure gauge.

Important: The pressure downward must not exceed 50 bar, as it can damage the soil sampler.

Filling of hydraulic oil: When replenishing with hydraulic oil the screw lid at the top of the oil tank is dismounted. The oil has to go through the filter at the top when replenishing the oil. **NOTE** it is **important** that the oil is type **DIN HLP 22**. The machine is prefilled with Equivis ZS 22 hydraulic oil ex works.

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Fuses: There are two fuses in the control panel:

- 1 pc. 25 amp. for rotation of probe.
- 1 pc. 7.5 amp. control current.

5. Tightening and Adjustment of Chain.

Adjustment of Chain:

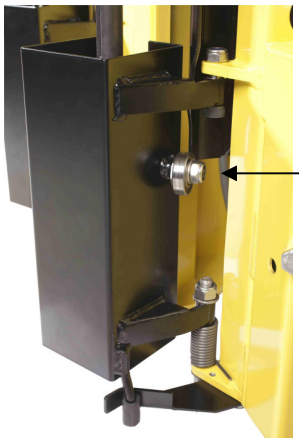
The drilling head must be in the top position.

Loosen the four 8-mm (DIN 912) bolts at the front of the machine with a 6-mm key.

Pull down the two upper 8-mm bolts until the upper half of the chain is taut.
Then pull up the two lower 8-mm (DIN 912) bolts until the chain is taut, for instance by squeezing with tongs around the central 8-mm bolts, and finally tighten all four bolts properly.
Run a test of the machine and tighten up the chain.

Picture 6.

6. Adjustment of the Soil Box.



The soil sampling box has to be adjusted in such a way that it is perpendicular with the soil sampler and so that the probe can pass.

The adjustment is carried out by loosening the bearing on the soil sampling box and adjust with a special key.

The special key is supplied along with the Wintex 1000.

Picture 7.

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7. Adjustment of Ejector.

When adjusting the ejector, the probe has to be stopped approx. 10 cm from start position. The machine is stopped and the emergency switch is activated.

The Allen screws are loosened both at the top (3 pcs.) and below (3 pcs.). The nut for the probe itself is also loosened. The ejector has to be adjusted so that it is placed in the middle of the hole to the probe. When this is done all the screws and nuts are tightened and the probe goes down to the position where the ejector is clear from the probe tube. The ejector is then adjusted so that it is right over the hole of the probe.

8. Maintenance.

IMPORTANT: After the first 8 hours of operation the machine is tightened up.

Daily:

- Lubrication of *chain and **carriages with oil spray.
- Lubrication of hinges of the soil sampling box.
- Cleaning of ejector.
- Cleaning at chain for rotation of probe. Is easily executed with compressed air.
- Cleaning of places where soil can be deposited.

*The chain is lubricated with chain spray Structovis BHD ex works.
**Carriages are lubricated with sterile oil ex works.

Weekly:

- Checking and tightening up vital parts.
- Checking and maybe changing wearing part of ejector.
- Checking and maybe changing probe.
- Checking and maybe changing spring for soil sampling box.
- Tightening belt for the oil pump.
- Checking oil level of hydraulic.

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9. Fault Finding.

Fault	Fault	Remedying
The soil sampler does not start.	Fuse is blown. Emergency stop activated. Not activate all switches. Switches defect. Lack of power supply.	Put in new fuse. Deactivate emergency stop. See manual point 1. Change switch. Charge battery.
The probe does not function.	Fuse is blown. Chain is broken.	Put in new fuse. Replace chain.
Cannot squeeze soil out of the probe.	Choked up with soil. Goes too fast into the soil. Bent probe. The ejector is bent.	Clean out soil. Reduce oil pressure. Exchange probe. Adjust ejector.
Lifting the ATV when the probe is put into the ground.	The oil pressure is too high.	Reduce the oil pressure.
Ejector not clear from the probe.	Ejector ”tightens”. The chain is dislocated. The machine is filled with soil.	Adjust ejector. See point 7. Adjust and tighten chain. See point 5. Clean the machine.

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