ACE/ACE+ for SV212

Operator's Manual

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CASE CONSTRUCTION

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1.1. Weights

		SV 212 ACE II
Operation weight with cab and protective frame ROPS EN500-1	kg (lb)	12300 (27117)
Operation weight EN500-1		
to drum	kg (lb)	7800(17196)
to axle	kg (lb)	4500(9921)
Static linear load	kg/cm (lb/in)	35,5(198,8)

The service weight of the machine according to EN 500-1 is the machine weight with the full content of working liquids, half content of propellants, half content of sprinkling tanks and with an operator (75kg/165lb).

Machine weight under ISO 6016 equals to the weight that is fully filled with fuels, lubricants, sprinkling tank and incl. operator (75 kg/165 lb/). Calculate through adding 115 kg (253 lb).

The weight data can differ from above mentioned data according to the further customers' requirements for the machine's equipment and accessories.

1.2. Vibratory Drum

Drum dia	mm (in)	1500 (59,0)
Drum width	mm (in)	2200 (86,6)
Drum shell thickness	mm (in)	30 (1,18)

1.3. Vibration

Hydrostatic drive		Gearbox of regulation vibration

1.4. Drive

Hydrostatic drive		Gearbox of drive drum

1.5. Fluids

Gearbox of drive drum	l (gal US)	4,2 (1,1)
SAE 80W/90; API GL-5 nebo pro USA MIL-L-2105 C		
Housing of vibrator	l (gal US)	16,8 (4,4)
SAE 80W/90; API GL-5 nebo pro USA MIL-L-2105 C		
Gearbox of regulation vibration	l (gal US)	4,5 (1,2)
VALAR Hyte Gear VHP 75W/90		

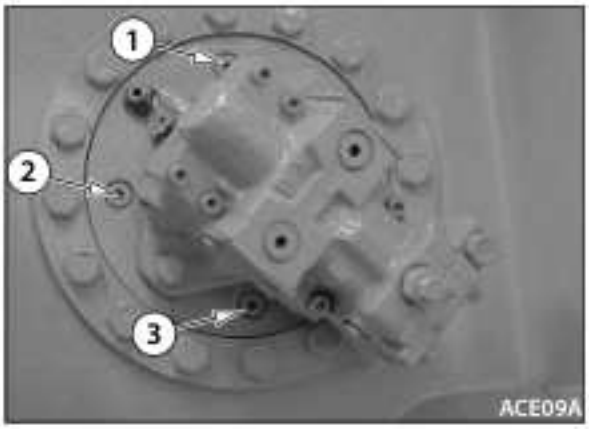
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Every 1000 hours or 1x a year

Drum Drive Gearbox

OIL EXCHANGE

- Clean the place round the plug. Put a proper receptacle underneath the drain plug 3. Unscrew all the plugs 1, 2, 3 and let the oil flow out. When drained, reinstall the drain plug 3. Fill the filler plug 1 with 3,4 l of oil. Check the oil level via the inspection hole 2. Oil level must reach the low edge of the inspection hole or flow out slightly. Reinstall plugs 1 and 2, replace any plug gaskets damaged.



Replenish oil of the specification required.
Exchange oil when oil is hot, i.e. following the Machine shutdown.

Let the oil drained to cool down below 50 °C (122 °F). Do NOT touch the gearbox and its adjacent parts if these are hot.

Avoid any oil leakage into the ground.

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Preparation:

- Industry-PC (ACEplus) was mounted and is ready for operation.
- GPS-receiver incl. Antenna were mounted and are ready for operation
- Navigation system for ascertaining the position is at hand and ready for operation. (basis station, receiver etc.)

5.6.1. First Initiation of ACEplus

1. Start ACEplus (push power switch)
2. Select "configure" from the dialog "User mode"

Procedures:

Firstly, all important system settings must be configured in order to make ACEplus ready for operation on site.



ACE225

System configuration:

3. Select "System configuration" from the dialog "Configure"

ACEplus works with UTM-coordinates. To ensure that the position is precisely determined, the system must know the correct UTM-zone in which the measurements are to be conducted.

In order to ensure the operation of ACEplus, the following settings must necessarily be conducted.

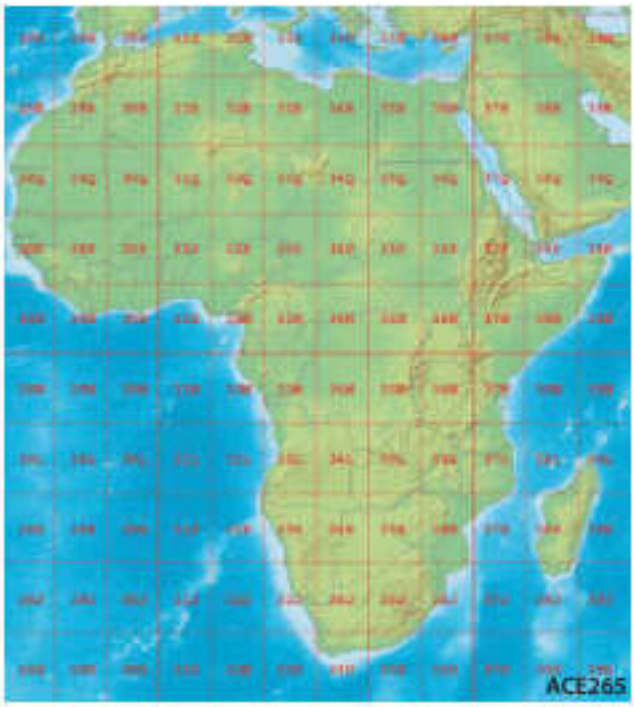
- Setting of the correct UTM-zone in which the workspace of ACEplus is located. Overview of the UTM zones can be found in the attachment.
- Setting of the correct UTM hemisphere, in which the workspace of ACEplus is located.
- Setting of temperature unit (° Celsius or ° Fahrenheit)

Optional settings are:

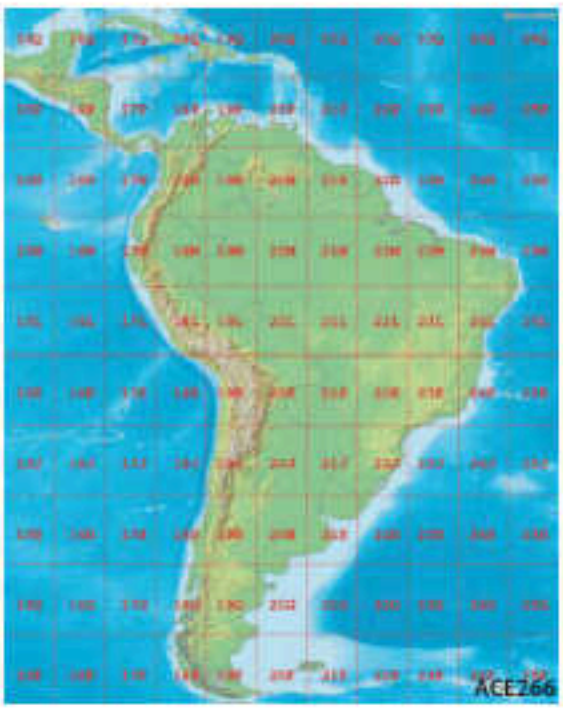
- Setting of the minimal GPS quality indicator.
- Setting of the minimal number of satellites.
- Maximal GPS HDOP (Horizontal Dilution of Precision)
- Map grid size
- Map block grid count
- Minimal relation distance
- Maximal relation distance
- Construction plan block size
- Settings of screen views
- Language

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5.9.4. UTM-Zones Africa



5.9.5. UTM-Zones South America



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Vibrator Housing

OIL EXCHANGE

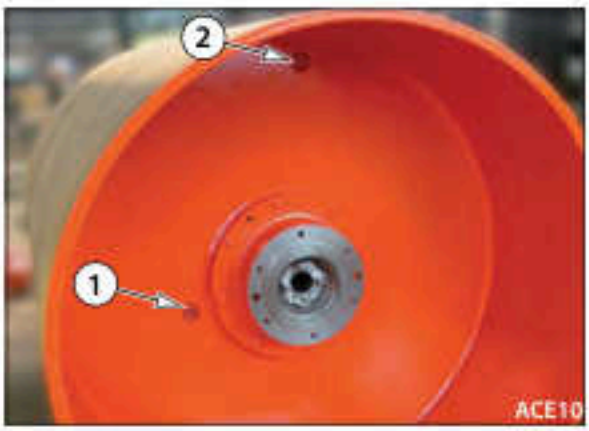
- Move the Roller so the plug 1 is in tis lowest position. Clean the place round the plug and drain oil to a proper receptacle.



- Move the Roller a bit so the plug 1 is in its highest position. Fill with 16 l of oil.



- Move the Roller a bit so the plug 2 is in its highest position, check the oil level via the inspection hole 1.



Replenish oil of the specification required.

Exchange oil when oil is hot, best following the Machine shutdown.

Let the oil drained to cool down below 50 °C (122 °F). Do NOT touch Vibrator Housing and its adjacent parts if these are hot.

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