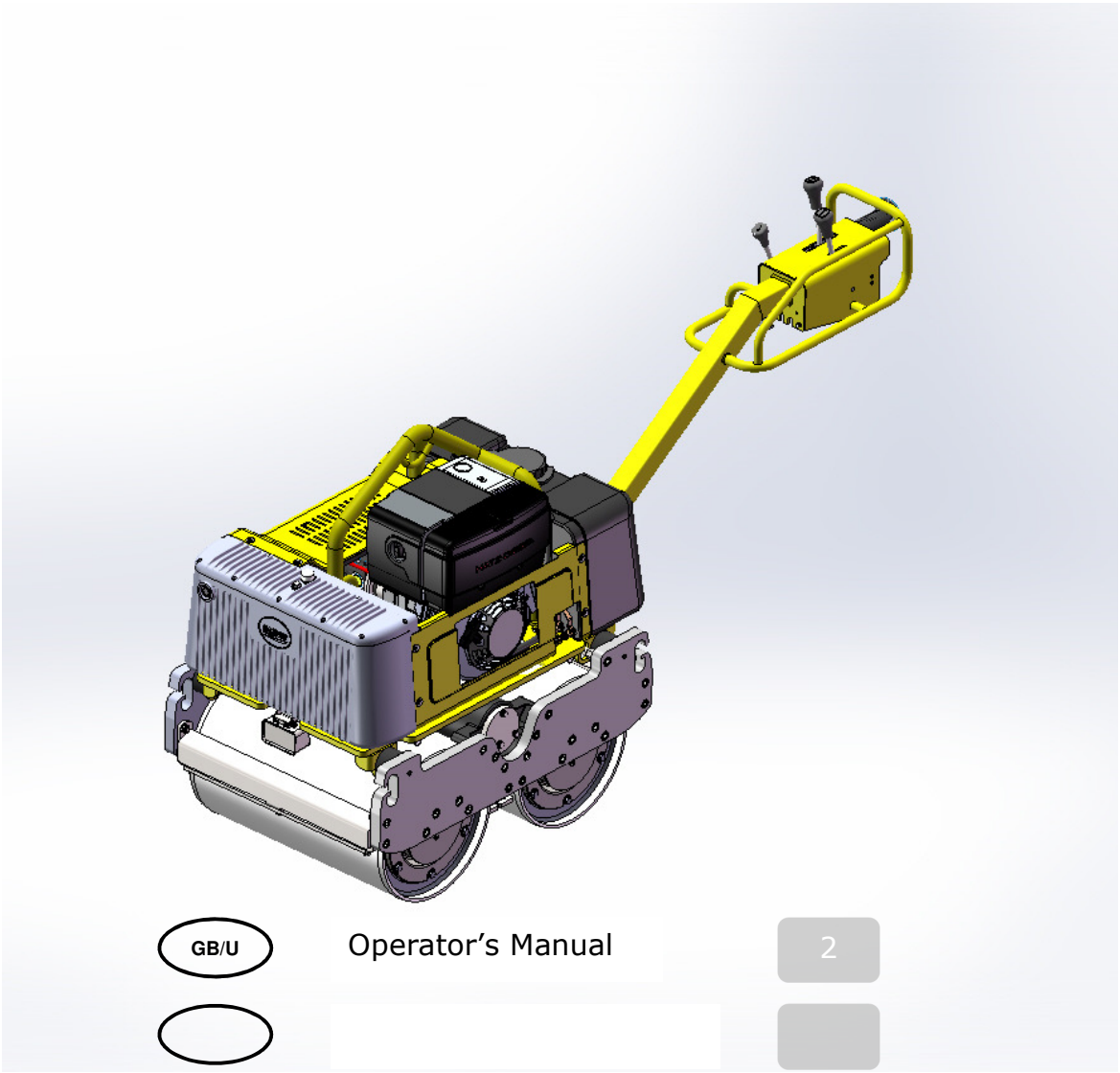
2012

TÜV Rheinland Group

PACLITE Equipment

DR8000



GB/U Operator's Manual 2

Certified No:16569

Vibratory Roller

EC DECLARATION OF CONFORMITY / DECLARATION CE DE CONFORMITE / DECLARACIÓN DE CONFORMIDAD CE / DECLARAÇÃO CE DE CONFORMIDADE

GB/U

We, **Uni-corp Europe, 70 Avenue Du General De Gaulle, 94000 Créteil, France** hereby certify that if the product described within this certificate is bought from an authorised Paclite dealer within the EEA, it conforms to the following directives: Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2004/108/EC (as amended by 92/31/EEC & 93/68 EEC). The physical agent (vibration) conforms with the directive 2002/44/EC. The low voltage directive 2006/95/EC, BS EN ISO 12100-1/2 Safety of machinery and associated harmonised standards, where applicable. Noise emissions conform to directive 2005/88/EC Annex VI), for machines under article 12 the notified body is **TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln, Germany.**

F

Nous soussignons, **Uni-corp Europe, 70 Avenue Du General De Gaulle, 94000 Créteil, France** certifions que si le produit décrit dans ce certificat est acheté chez un distributeur de la marque déposée “Paclite” au sein de la EEA, celui-ci est conforme aux norms CEE ci-après: Norme de la machine 2006/42/CE, Norme compatible pour l’électromagnétisme 2004/108/CE (modifie par 92/31/CEE et 93/68/CEE). Le nombre de vibrations est en accord avec la directive 2002/44/CE. Caractéristiques basse tension 2006/95/CEE, BS EN ISO 12100-1/2 , Norme de sécurité des machines et des critères associés et configurés, si applicable. Les émissions debruit sont conformes à la directive 2005/88/CE Annexe VI pour machines, article 12. L’objet mentionné est **TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln, Allemagne.**

E

La Sociedad**, Uni-corp Europe, 70 Avenue Du General De Gaulle, 94000 Créteil, France**, por el presente documento certifica que si el producto descrito en este certificado es comprado a un distribuidor autorizado de Paclite en la EEA, este es conforme a las siguientes directivas: 2006/42/CE de la CEE, Directiva 2004/108/CEE sobre Compatibilidad Electromagnética (según enmiendas 92/31/CEE y 93/68 CEE). El numero de vibraciones esta de acuerdo con la Directiva 2002/44/CE. Directiva sobre Bajo Voltaje 2006/95/CEE, BS EN ISO 12100-1/2 de Seguridad de Maquinaria y Niveles armonizados estándares asociados donde sean aplicables. Emisión de Ruídos conforme a la Directiva 2005/88/CE Anexo VI para máquinas bajo articulo 12 la mencionada unidad está **TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln, Germany.**

P

O signatário, **Uni-corp Europe, 70 Avenue Du General De Gaulle, 94000 Créteil, France**, pelo presente, declara que se o produto descrito neste certificado foi adquirido a um distribuidor autorizado do Paclite em qualquer pais da EEA, está em conformidade com o estabelecido nas seguintes directivas comunitárias: 2006/42/CE, Directiva de Compatibilidade Electromagnética 2004/108/CEE (conforme corrigido pelas 92/31/EEC & 93/68 EEC). O numero de vibrações está de acordo com a directiva 2002/44/CE LB. A directiva de baixa voltagem 2006/95/CEE, BS EN ISO 12100-1/2 Segurança da maquinaria e às normas harmonizadas afins se aplicáveis. As emissões de ruido respeitam e estão dentro das directivas para máquinas 2005/88/CE Anexo VI, artigo 12, sendo o organismo notificado **TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln, Germany.**

PRODUCT TYPE……	**TYPE DE PRODUIT….**	**TIPO DE PRODUCTO..**	**TIPO DE PRODUCTO..**
MODEL……..	**MODELE……...**	**MODELO……...**	**MODELO……...**
SERIAL No……...	**Nº DE SERIE…….**	**Nº DE SERIE…….**	**Nº DE SÉRIE…….**
DATE OF	**DATE DE**	**FECHA DE**	**DATA DE**
MANUFACTURE…….	**FABRICATION…….**	**FABRICACIÓN…….**	**FABRIC……..**
WEIGHT……	**POIDS……**	**PESO……**	**PESO……**

Signed by: **Anita Tan**

Signature:

Quality Manager - On behalf of Uni-corp Europe

Directrice de Qualité - au nom de Uni-corp Europe S.A.R.L.

Foreword

This manual has been written to help you operate the VR Roller Series safely. It is intended primarily for dealers and operators of Paclite Rollers. It is recommended that you keep this manual or a copy of it with the machine so that it is readily available for reference.

Before you operate or carry out any maintenance on this machine YOU MUST READ and UNDERSTAND this manual.

Should you have ANY QUESTIONS about the safe use or maintenance of this machine after reading this manual, ASK YOUR SUPERVISOR or CONTACT:
Uni-corp Europe on +33 (0) 1 4981 6955

Paclite reserves the right to change machine specification without prior notice or obligation.

Directions with regard notations

Text in this manual to which special attention must be paid are shown in the following way:

This CAUTION sign indicates a potential hazard, which if ignored, could result in injuries to the operator and/or those close by, as well as damaging the machine.

This WARNING sign indicates a potential hazard, which if ignored could result in the DEATH of the operator and/or those close by.

Contents

Safety Information

For your own personal protection and for the safety of those around you, please read and ensure you fully understand the following safety information. It is the responsibility of the operator to ensure that he/she fully understands how to operate this equipment safely. If you are unsure about the safe and correct use of the Roller, consult your supervisor or Paclite Equipment.

Improper maintenance can be hazardous. Read and understand this section before you perform any maintenance, service or repairs.

General Safety

- The owner of this machine must observe, and also train the user of the machine to observe, the effective labour protection laws in the country of application.
- Use suitable lifting equipment to lift the machine.
- This machine is to be used for is intended application only.
- This machine must only be operated by well-trained personnel.
- Personal Protective Equipment (PPE) must be worn by the operator whenever the equipment is being used.
- The machine must be operated on ground where stability is guaranteed. When working near the rim of excavated trenches, keep a sensible distance from the edge so that there is no danger of the machine falling down or the trench collapsing.
- Cordon off the work area and keep members of the public and unauthorised personnel at a safe distance.
- Make sure you know how to safely switch this machine OFF before you switch it ON in case you run into any difficulties.
- Always switch OFF the engine before servicing it.
- During use, the engine becomes very hot. Always allow the engine to cool down before touching it.
- Never leave the engine running and unattended.
- Never remove or tamper with any fitted guards; they are there for your own protection. If they are damaged or missing, DO NOT USE THE MACHINE until the guard has been replaced or repaired.
- Always switch OFF the engine before transporting it, moving it around site or servicing it.
- Do not operate the machine when you are ill, feeling tired or when under the influence of alcohol or drugs.
- If the surface to be compacted is on a slope, take great care when controlling the roller's direction of travel. Always work up and down a slope; not across.
- This machine is designed to eliminate the possible risks arising from the use of it. However, risks DO reside, and these residual risks are not clearly recognisable and may cause personal injury or property damage, and possibly death. If such unpredictable and unrecognisable risks become apparent, the machine must be stopped immediately, and operator or his supervisor must take

appropriate measure to eliminate such risks. It is sometimes necessary that the manufacturer must be informed of such event for future counter measuring.

Fuel Safety

Fuel is flammable. It may cause injury and property damage. Shut down the engine, extinguish all open flames and do not smoke while filling the fuel tank. Always wipe up any spilled fuel.

- Before re-fuelling, switch off the engine and allow it to cool.
- When re-fuelling, use a proper funnel, and avoid spilling over the engine.
- When re-fuelling, DO NOT smoke or allow naked flames in the area.
- Spilt fuel must be made safe immediately by using sand. If fuel is spilt on your clothes, change them.
- Store fuel in an approved, purpose made container away from heat and sources of ignition.

Health & Safety

Vibration

Some vibration from the compacting operation is transmitted through the handle to the operator's hands. Ensure operator rotation and do not exceed the maximum recommended usage times.

Dust

The compaction process can produce dust, which may be hazardous to your health. Always wear a mask that is suited to the type of dust being produced.

Fuel

Do not ingest fuel or inhale fuel vapors and avoid contact with your skin. Wash fuel splashes immediately. If you get fuel in your eyes, irrigate with copious amounts of water and seek medical attention as soon as possible.

Exhaust Fumes

The exhaust fumes produced by this machine are highly toxic and can kill!

Do not operate the VR Roller indoors or in confined spaces. Make sure the work area is adequately ventilated.

PPE (Personal Protective Equipment)

Suitable PPE must be worn when using this equipment i.e. safety goggles, gloves, ear defenders, dust mask and steel toe-capped footwear (with anti-slip soles for added protection). Wear clothing suitable for the work you are doing. Always protect skin from contact with concrete.

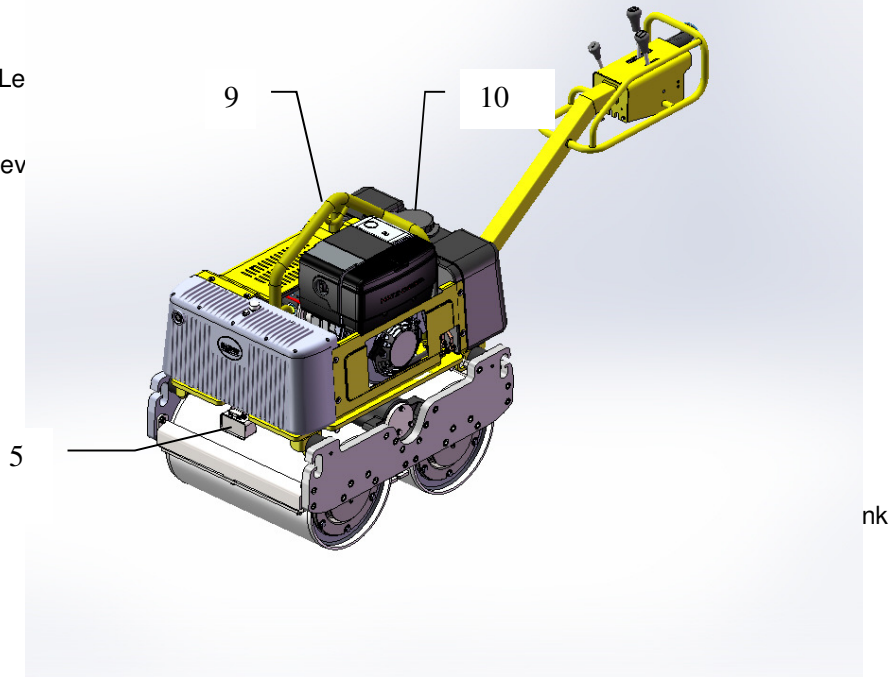
Environment

In order to protect the environment please recycle any discarded apparatus or accessories. The table beside provides you with a list of the machine's components and their respective materials. Take the discarded apparatus to the relevant recycling facilities.

Component	Material
Operator Handle	Steel
Main Frame	Steel
Hydraulic Oil Tank	Steel
Water Tank	Poly-Ethylene
Cover	Poly-Ethylene
Hydraulic Pump	Steel and Aluminium
Hydraulic Motor	Steel
Engine	Steel and Aluminium
Various Part	Steel, Aluminium & Rubber

Machine Description

1. Throttle Lever
2. Forward/Reverse Le
3. Vibration Lever
4. Safety Lever for Rev
5. LED Lamp



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Pre-Start Checks

Inspection prior to start-up

The following inspection must be performed before the start of each work session or after every four hours of use, whichever is first. Please consult the service section for detailed guidance. If any fault is discovered, the 'VR-Roller' must not be used until the fault is rectified.

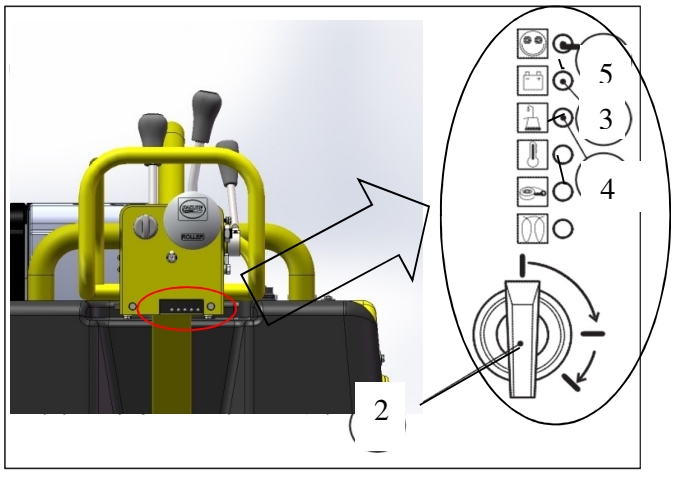
1. Thoroughly inspect the machine for signs of damage.
2. Check hoses, filler openings, drain plugs and any other areas for signs and leakage. Fix any leaks before operating.
3. Check the engine oil level and top up if required. When checking the oil make sure the machine is on a level surface. To check the oil level, remove the oil guage and observe the oil level; it should be up to the rim of the filler port. Ensure proper engine oil with the correct viscosity is used (SAE 10W-30 is recommended).
4. Check the engine fuel level and top up if required. Use clean fuel! The use of contaminated fuel may damage the fuel system.
5. Check the air filter is clean. Excessive dirt/dust accumulation within the filter element will cause erratic engine operation. Clean the air filter element if it is contaminated (refer to the 'Service and Maintenance' section).
6. Check the Operator's Controls are in good working order. Ensure that the Drive Lever, the Vibration Lever, the Throttle Lever, the Parking Lever, and the safety device for the reverse motion all move smoothly.

Start and Stop Procedure

DO NOT let go of the Starting Handle during the starting procedures. Ensure you keep a firm hold.

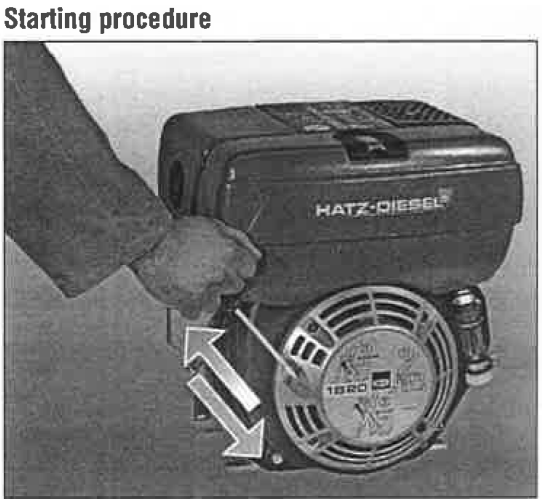
Before starting the engine, make sure the Drive Lever is in the Neutral position, the Vibration Lever is in the OFF position and the Parking Lever is in the ON position.

1. Open the fuel tap at the engine.
2. Move the Throttle Lever at the Operation Handle to START position.
3. **Start the Engine – Electric Start**
   - Set the speed control (1) to full throttle.
   - Insert the starter key (2) and turn to «I»; battery charge indica- tor (3) and oil pressure indicator (4) light up.
   - Turn starter key to «II»; when the engine starts, release the starter key. Indicator lamp



(5) lights to show that the motor is operating. (Setting the Key Switch to OFF position would not allow the generator to charge the battery.)

4. **Start the Engine – Manual Start**



4a- Pull the starting cable out by the handle until you feel a slight resistance.

4b- Let the cable run back; in this way the entire length of the starting cable can be used to start the engine.

4c- Devices which are not securely fastened should be restrained with the foot.

4d- Grip the handle with both hands.

4e- Commence pulling the starting cable vigorous- ly and at an increasing speed (do not jerk it violently) until the engine starts

Note:

If after several attempts of starting the exhaust begins to emit white smoke, move the speed ad- justment lever to the STOP position and pull the starting cable out slowly 5 times.

Repeat the starting procedure, Chapter 4

5. Move the Throttle Lever to LOW position, and let the engine run at idle for a few minutes to warm up.
6. After the engine has warmed up, the machine is ready for operation.
7. Move the throttle lever to the high speed “H” position quickly to prevent damage from occurring to the clutch. The “Full Throttle” position of this machine has been preset at the factory to achieve optimum machine performance. DO NOT alter this setting since premature wear or tear can result, and both engine and machine warranty will be automatically voided.
8. **Operators Control**

8a. Throttle Lever

Always keep the Throttle Lever at High position during the operation. Do not attempt to alter the travel speed by changing the engine revolution.

8b. Drive Lever

Move the Drive Lever forward to drive the machine forward. For reverse motion, move the lever backward.

8c. Vibration Lever

By shifting the Vibration Lever to the ON position, the vibration mechanism will be engaged and produce the vibration.

O Vibration off

Ⅰ High excitation = earthwork

Ⅱ Low excitation = bituminous work

Ⅰ

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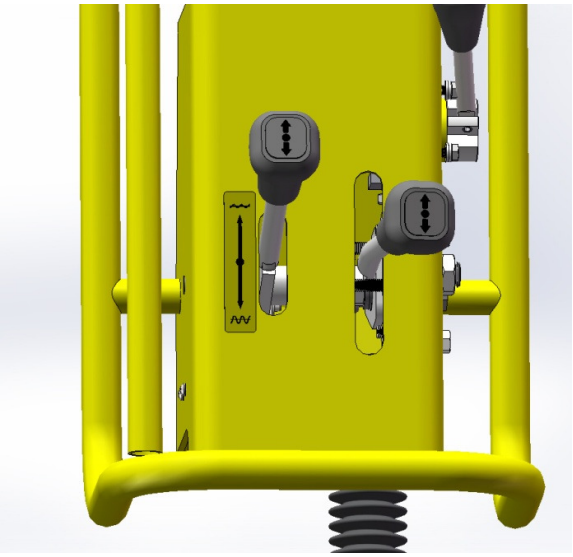
Ⅱ



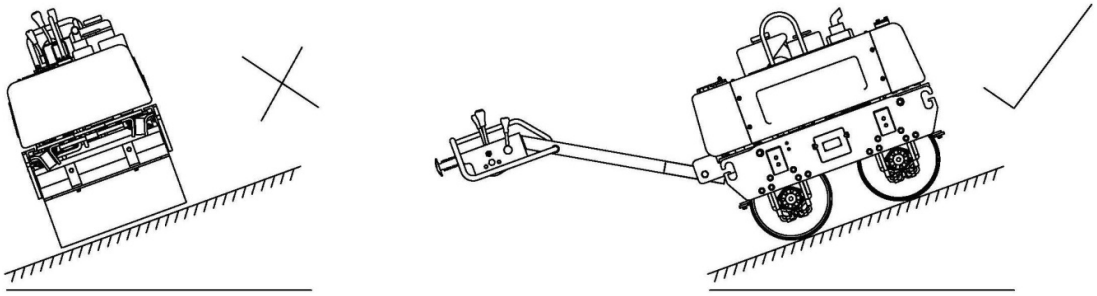
9. **Stopping the Engine**
10. In preparation for stopping the engine, move the throttle lever to LOW position.
11. Allow the engine to idle for 1-3 minutes.
12. Move the Throttle Lever to STOP position to stop the engine. Then, set the Key Switch to “OFF” position. The buzzer will sound when the Key Switch is set to ON while the engine is stopped.
13. Close the Fuel tap
14. Apply parking brake by swinging the Parking Brake Lever to the left.
15. If the diesel engine is set to idle or switched off, the multip- le-disk brake is activated as a parking brake.

NOTE: Negligence to disengage the Parking Brake before attempting to drive the machine forward or reverse will result in the severe damage to the parking brake mechanism as well as the drive system.

Operation

Having carried out the checks listed in the 'pre start' section, you may start the engine.

- The Paclite VR-Rollers are fitted with a centrifugal clutch; this allows the engine to run at idle without driving the Hydraulic Pump.
- As the engine speed is increased the clutch will engage and the engine will drive the Hydraulic Pump to send the hydraulic power to drive the drums, and to drive the vibration mechanism as well. To avoid any damage to the centrifugal clutch, move the throttle lever quickly from L to H position. For correct operation, the engine speed should be set to maximum during the compaction operation.
- Avoid operating the machine on a fully compacted, hard, or non-yielding surface. Otherwise, the bearings and other mechanical components will be damaged, and the life of the machine will be greatly reduced.
- When working on a steep slope, take extra care in operating the machine so that the machine may tip over or fall down. Always work up or down the slope. Do not work across the slope.



- When the machine is going reverse, make sure not to stand behind the Operation Handle. Always walk along the Operation Handle and face toward the direction of travel.

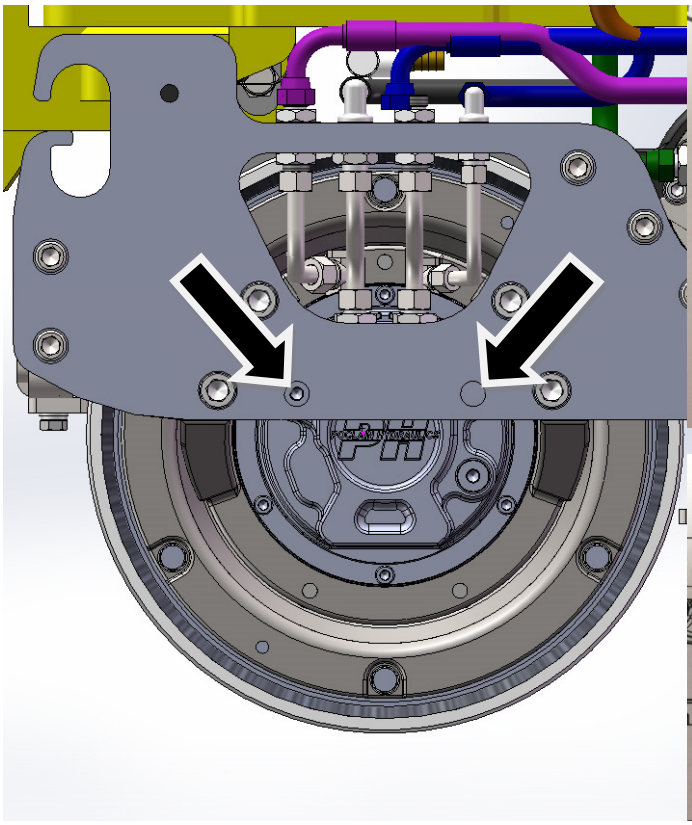
Lifting

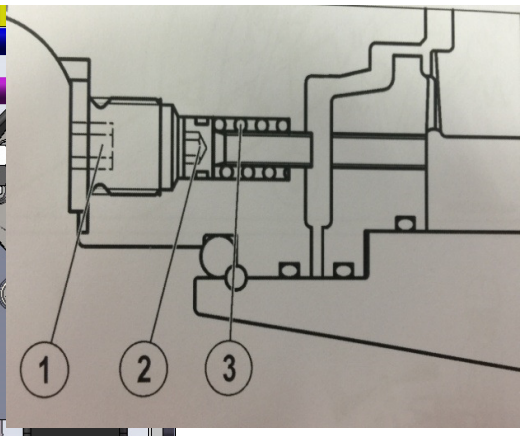
Where it is necessary to use lifting equipment to position the VR-Roller, make sure the lifting equipment has a WLL (Working Load Limit) suitable for the machine's weight (see Technical Data or the machine number plate). Attach suitable chains or slings ONLY to the lifting point provided at the center of the machine (One-Point Hook) or at each corner of the machine (Lifting Eyes).

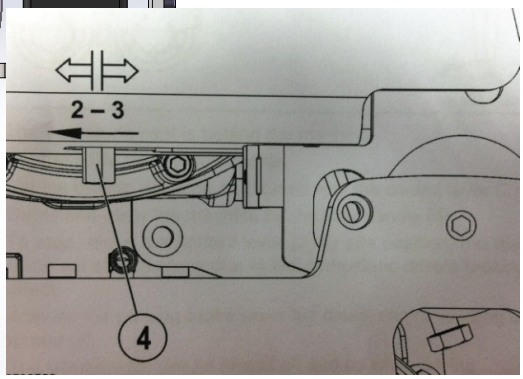
Towing

a.-Before towing

Before towing, mechanically release the locking brake in the roller:







- Unscrew the locking screw (1).
- Push the screws (2) to compress the springs (3).
- Tighten alternatively and progressively the 2 screws (2) until they come into contract (approx. 2 turns of screw).
- Release the bypass-screw (4) by 2-3 turns.

b- Towing

Appropriate means of attachment should always be used when towing.

Maximum towing speed: 0,5 km/h

Maximum towing distance: 300 m

c-After towing

The machine should only be started by braked motor. Before starting the diesel motor the mechanical brake has to be absolutely inactive.

- Release both screws (2) completely.
- Reinstall the plug (1) and tighten with 20 Nm (14.7 lbf.ft).
- Reinstall the bypass-screw (4).

Service and Maintenance

Maintenance

The Paclite VR Rollers are designed to give many years of trouble free operation. It is, however, important that the simple regular maintenance listed in this section is carried out. It is recommended that an approved Paclite dealer carry out all major maintenance and repairs. Always use genuine Paclite replacement parts, the use of spurious parts may void your warranty.

Careful maintenance:

c:: increased service life
c:: increased function security
c:: reduced downtimes
c:: increased reliability
c:: reduced repair costs

- Observe the safety regulations!
- Maintenance works should only be carried out when the engine is shut off.
- The engine and machine should be cleaned thorougly be- fore carrying out maintenance work.
- Park the machine on a flat surface and secure it against rolling away and slipping.
- Ensure that operating materials and replaced parts are disposed of safely and in an environmentally - friendly way.

- Before commencing work on any electrical equipment, disconnect the battery and cover it with insulating materials.
- Do not exchange «PLUS» and «MINUS» poles on the bat- tery.
- It is essential that short-circuits be prevented in cables carrying current.
- Before welding works on the machine put-off all connec- tions and battery cables.
- Burn-out lightbulbs in indicator lamps should be re- placed immediately.
- When cleaning the machine with a high-pressure water jet, do not spray the electrical components directly.
- After washing the components, blow-dry them with com- pressed air in order to prevent surface leakage current and corrosion.

Maintenanc schedule

Intervals / Works	daily	20 h	50 h	100 h	250 h	500 h	1000 h	as required
Clean machine	●							
Check engine oil level[1)]	●							
Change engine oil[1)]		●[3)]			●			
Clean engine oil filter[1)]		●[3)]						
Check, clean air filter[1)]	●							
Change air filter element[1)]						●		
Change fuel filter[1)]						●		
Check cool air/combustion air intake[1)]	●							
Check exciter oil level			●					
Change exciter oil								●
Check hydraulic oil level	●							
Change hydraulic oil[2)]						●[3)]	●	
Change return filter element[2)]		●[3)]					●	
Change ventilation filter[2)]						●[3)]	●	
Clean suction filter[2)]						●[3)]	●	
Check the hydraulic hose				●				
Check rubber buffer				●				
Retightened screw connec- tions		[3)]		●				
Check scrapers								●
Clean the water sprayer								●
Check, adjust the valve clea- rance[1)]					●			

[1)]See engine operating manual
[2)]minimum once a year
[3)]for the first time

Lubrication schedule

Lubrication point	Quantity	Change intervals	Lubricant	
1. Engine (incl. filter)				
DR8000 Hatz 1D41	1,1 l (1,2 l)	250 h	Engine oil API SG-CE SAE 10W40	
DR8000 Hatz 1B40	1,5 l			
2. Exciter				
	0,6 l	permanent lubrication	Gear oil in acc. with JDM J 20 C	
3. Hydraulic				
	21,5 l	first time after 500 h, then every 1000 h or annually	Hydraulic oil HVLP 46	
4. Return filter element				

		first time after 20 h, then with each hydr. oil change		
5. Breather filter				
		with each hydr. oil change		
6. Clean suction filter				
		with each hydr. oil change		

Alternative lube oil table

	Engine oil API SG-CE SAE 10W40	Gear oil in acc. with JDM J 20 C	Special hydro-oil ISO-VG 32	Hydr.-oil HVLP 46	ATF – oil
ARAL	Extra Turboral SAE 10W40	Fluid HGS	Vitam GF 32	Vitam HF 46	ATF 22
BP	Vanellus C6 Global Plus SAE 10W40	Hydraulik TF-JD	Energol HLP-HM 32	Bartran HV 46	Autran MBX
CASTROL	Tection SAE 10W40	Agri Trans Plus	Hyspin SP 32	Hyspin AVH-M 46	TQ-D
ESSO	Ultra 10W40	Torque Fluid 56	Univis N 32	Univis N 46	ATF 21611 II-D
FINA	a. Kappa FE b. Kappa Turbo DI	Transfluid AS	a. Hydran TSX 32 b. Biohydran TMP 32[2)]	——	Finamatic II D
FUCHS	Titan Unic MC	Agrifarm UTTO MP	a. Renolin ZAF 520 b. Plantohyd 32 S[2)]	Renolin B 46 HVI	Titan ATF 3000
KLEEN OIL	——	——	Panolin HLP Synth 32[2)]	——	——
MOBIL	a. Delvac SHC b. Mobil Super M 10W40 c. Mobil Super S 10W40[1)]	a. Mobilfluid 424 b. Mobilfluid 426	Mobil DTE 24	Univis N 46	ATF 220
SHELL	Engine Oil DG 1040	Donax TD	Tellus T32	Tellus T 46	a. Donax TA b. Donax TX
TOTAL	Rubia Polytrafic 10W-40	Transmission MP	Azolla ZS 32	Equivis ZS 46	Fluide ATX

[1)] Semi-synthetic light-duty oils
[2)] Biological multi-purpose hydraulic-oils;
The miscibility and compatibility with mineral oil based hydraulic oils and biological hydraulic-oils should be examined in the individual case. The residual mineral oil content should be reduced acc. to VDMA specification 24 569.

Machine maintenance

a.Cleaning

- Clean the machine on a daily basis.
- After cleaning all cables, hoses, connections and connectors are to be checked for leakage, holed connections, chafing points and other damage.
- Detected faults are to be eliminated immediately.
- No combustible or aggressive materials are to be used for cleaning.

b.Screwed connections

- With vibrating machines, it is important to check the screwed connections for tightness at regular intervals. Observe tightening torques.

(The illustration as a reference)

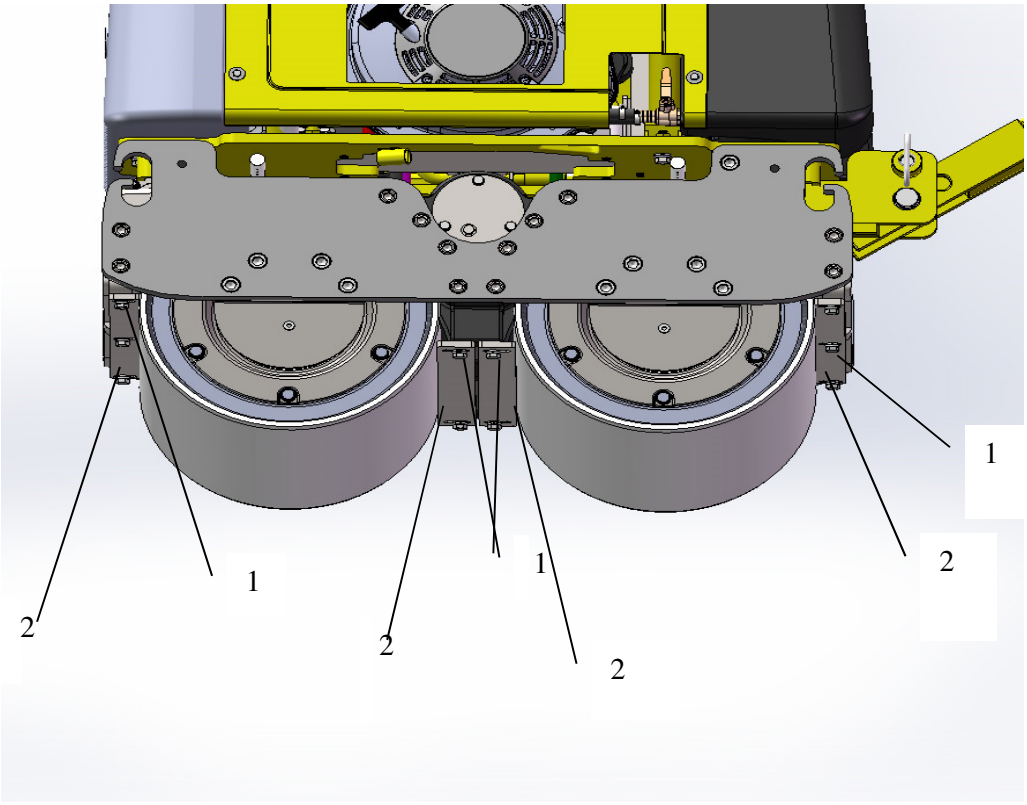
Ø	8.8		10.9		12.9	
	Nm	ft lb	Nm	ft lb	Nm	ft lb
M 4	3	2	4,4	3	5	4
M 5	6	4	8,7	6	10	7
M 6	10	7	15	11	18	13
M 8	25	18	36	26	43	31
M 10	49	36	72	53	84	61
M 12	85	62	125	92	145	106
M 14	135	99	200	147	235	173
M 16	210	154	310	228	365	269
M 18	300	221	430	317	500	368
M 20	425	313	610	449	710	523
M 22	580	427	830	612	970	715
M 24	730	538	1050	774	1220	899

c.Changing rubber buffers

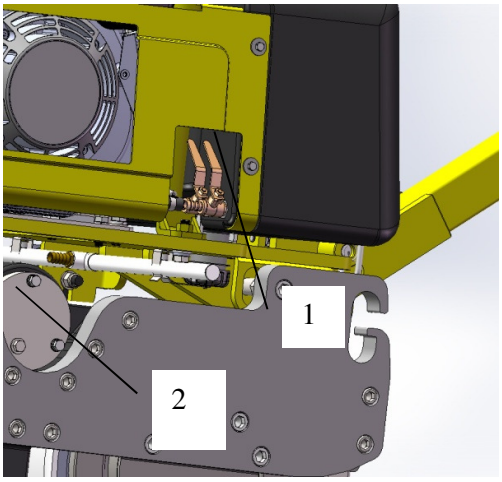
- Inspect the rubber buffers for cracks and chipping as well as tightness and immediately replace if damaged

d.Scrapers

- Examine the scrapers for wear and position relative to roller. Adjustment:



- Loosen hexagon head screws (1).
- Shift the scrapers (2) towards the roller.
- The scrapers should be set at a distance of 1.5 – 2 mm from and parallel to the roller.
- Tighten hexagon head screw.



e. Water spraying system

Clean water tank when necessary:

- Dismantle stopcock (1).
- Rinse out water tank with powerful water jet.
- Refit stopcock, using new seal if necessary.
- Switch on the spraying system briefly in order to rinse out the pipework.

f. Exciter

- The exciter is largely maintenance-free. An oil-change should only be carried out if the exciter has been repaired.
- Check the oil level periodically by opening the inspection screw
- (2). If necessary, top up to the upper edge of the inspection hole.

Hydraulic system

Before working on the hydraulic make the system pressureless.
Carry out the change of hydraulic oil while it is still warm in accordance to the lubrication plan and the lubrication table.
Do not start the motor while the hydraulic oil is draining under any circumstance.
Immediately replace any damaged seals.
Change the return filter element and the air filter with each change of hydraulic oil.
Change the hydraulic oil also after each major re- pair on the hydraulic unit.

Collect the drained-off hydraulic oil and dispose it in an environment friendly manner.

a. Hydraulic hose lines

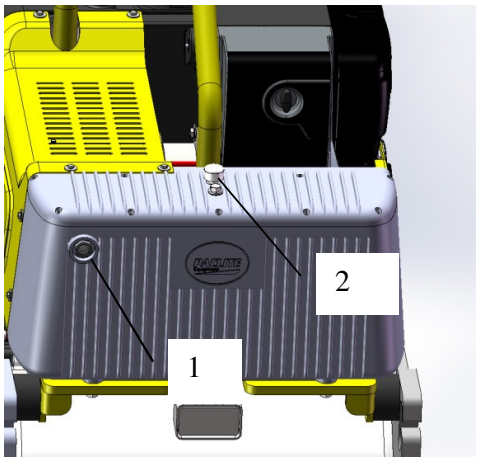
Hose lines must immediately be replaced in the following in- stances:

- Damage to the outer layer to the inner lining (abrasion marks, cracks, cuts, etc.).
- Brittleness of the outer layer (cracking of hose covering).
- Unnatural deformations of the hose line. This applies to both a pressureless and pressurised condition (e.g. layer separation, blister formation, crushed areas, kinks).
- Leaks.
- Damage or deformation of hose fittings (impaired sealing function).
- Hose slips out of the fitting.
- Corrosion of fitting (degrading of function and strength).
- Improper installation.
- Use beyond the expiry date of max. 6 years.

b. Checking the hydraulic oil level

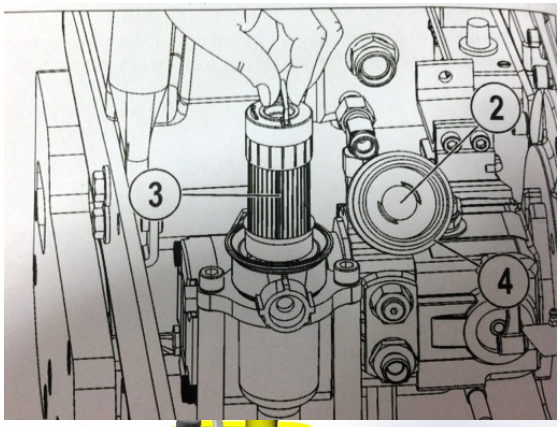
If hydraulic oil is missing by the daily hydraulic oil level control, the components, hoses and connec- tions have to be checked immediately.

- Check the hydraulic oil level on the oil sight glass (1).
- If necessary, top up the oil level as far as the upper part of the sight glass using the oil filling plug (2).



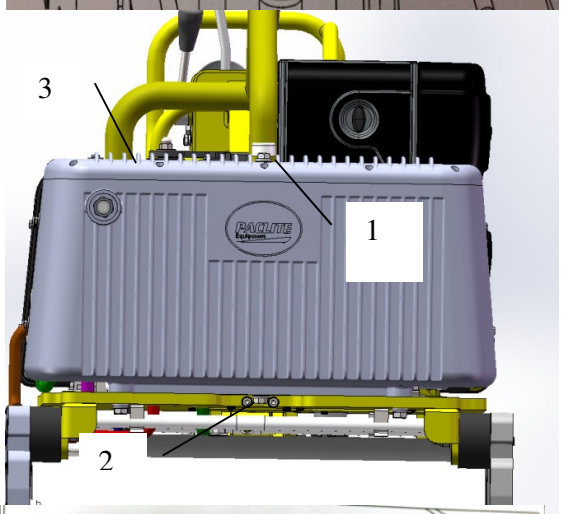
c. Replacing the return filter element

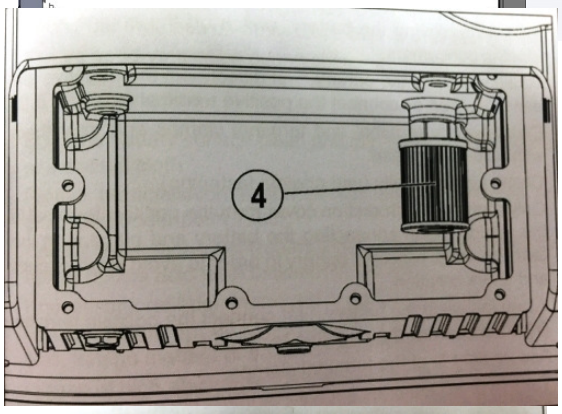
- Unscrew cap (1).
- Pull out the filter element (2) and replace it with a new one.
- Check the seal ring (3) on the cap and replace if necessary.
- Screw cap in place.



d. Changing hydraulic oil, cleaning the intake filter

- Open oil filling plug (1)
- Open the drain oil plug (2), drain off the oil.
- Remove the cover of the hydraulic tank (3).
- Remove the intake filter (4) in the hydraulic tank.
- Wash out the intake filter in cold cleaner and blow out using compressed air.
- Carefully remove remnants of sealant from seal surfaces.
- Clean the hydraulic tank.
- Install the intake filter.
- Apply new sealing compound.
- Refit hydraulic tank cover.
- Screw in oil drain plug, use a new seal.
- Replace ventilation filter .
- Fill up with oil (refer to lubrication plan for correct amount and type of oil).
- Screw in oil filling plug, use a new seal.
- After a brief test run, check the oil level once again and top up if necessary.





There is a danger of scalding when working with hot oil.

Transportation and Storage

Transportation on a vehicle

Make sure to lock the Handle and use proper slopes of sufficient width, length, and strength on loading to and unloading from the vehicle.

The Operation Handle may move suddenly and irrationally during the loading and unloading. Stand a safe distance away from the Operation Handle to avoid sustaining any injury.

Apply the Parking Brake and tie the machine firmly to the vehicle during transportation.

Storage

- For long-term storage, empty the fuel from the Fuel Tank by either sucking the remaining fuel out from the Fuel Inlet Port or from the Fuel Filter after the filter cup has been removed.
- Clean the Air Cleaner Element.
- Clean-up the oil and dust accumulation on all rubber parts.
- Clean the base plate and apply a light coating of oil to prevent rust formation.
- Cover the machine and store it in a dry place.
- The Operation Handle can be stood up for storage. Pull the Stopper, and raise the handle. Make sure that the Stopper securely holds the Operation Handle.
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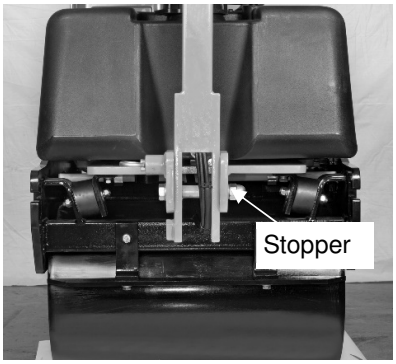

Troubleshooting

Possible cause	Remedy	Remarks
Engine does not start		
Speed control lever in «STOP»-position No fuel reaching injection pump – Tank run dry – Fuel filter blocked – Defective feed pump Oil pressure lost Compression	Set lever to «START»-position Add fuel Renew fuel filter Function must be checked Check engine oil level Contact a HATZ-service station	 Activate mechanical oil pressure monitor
Engine stops by itself during regular operation		

Fuel supply is interrupted – Tank run dry – Fuel filter blocked – Defective feed pump Oil pressure lost Mechanical defects	 Add fuel Renew fuel filter Function must be checked Check engine oil level Contact a HATZ-service station	 Activate mechanical oil pressure monitor
Reduced engine performance		
Fuel supply is obstructed – Tank run dry – Fuel filter blocked – Tank venting is inadequate – Leaks at pipes unions Air cleaner blocked Incorrect valve clearance Too much oil in engine Default in hydraulic system	 Add fuel Renew fuel filter Ensure that tank is adequately ven- ted Check threaded pipe unions Remove dirt from air cleaner Adjust valve clearance Drain off engine oil down to upper mark on dipstick Contact a Paclite-service station	
Engine runs, machine does not move forward		
Centrifugal clutch lining worn Default in hydraulic system	Replace linings and springs Contact a PACLITE-service station	

Technical Data

Model	DR8000	
DIMENSION (LxWxH) - mm (in)	2300(90.55)X724(28.5)X1150(45.27)	
OPERATING WEIGHT - kg (lb)	750(1653)	
DRUM SIZE (2R x W) - mm (in)	402(15.8)X650(25.6)	
CENTRIFUGAL FORCE - kN	13/18	
WORKING SPEED - km/h	Froward: 0—4.0 Reverse: 0—2.5	
GRADABILITY - º	20	
VIBRATION FREQUENCY - Hz	60	
WATER TANK CAPACITY - Ltr (gal)	47(12)	
HYDRAULIC OIL TANK CAPACITY- Ltr (gal)	20(5.3)	
ENGINE	HATZ Diesel : 1B50	
ENGINE TYPE	4-Stroke diesel engine	
RATED OUTPUT - hp / kw / rpm	8.6/6.9/2600	
STARTING SYSTEM	Electric / Recoil Start	

Warranty

Your new VR Paclite Roller is warranted to the original purchaser for a period of one-year (12 months) from the original date of purchase.
The Paclite Equipment warranty covers defects in design, materials and workmanship.

The following are not covered under the Paclite Equipment warranty:

1. Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.
2. Alterations, additions or repairs carried out by persons other than Paclite Equipment or their recognised agents.
3. Transportation or shipment costs to and from Paclite Equipment or their recognised agents, for repair or assessment against a warranty claim, on any machine.
4. Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.
5. The engine, air filter and the engine spark plug.

Paclite Equipment and/or their recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with or by reason of or the inability to use the machine for any purpose.

Warranty Claims
All warranty claims should firstly be directed to Uni-corp Europe, either by telephone, by fax, by email, or in writing.

For warranty claims:
Uni-corp Europe S.A.R.L.,
Paclite Equipment,
70 Avenue Du General De Gaulle
94000 Creteil
France

Tel : +33 (0) 1 4981 6955 Fax: +33 (0) 1 4898 4088
Email: sales@paclite-equip.com

Notes

Notes

Uni-corp Europe S.A.R.L.

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TÜV Rheinland Group

2012