

nifty v100

shortform operating instructions



non-hgv self drive access

This book is designed as a guide to enable you to start work quickly and safely. It is not intended to replace the full manufacturer's operating instructions (a copy of which should be with your machine) which should be read and understood by anyone operating the machine.

SAFETY TIPS

ALWAYS

- Inspect your machine before use.
- Check all operations including ground controls.
- Check ground conditions.
- Check clearance from overhead obstructions (power cables, building projections etc).
- Plan your task/job.
- Use sole boards under your outriggers at all times regardless of ground conditions.
- Stabilise and level machine before use.
- Wear a safety harness connected to a suitable anchorage point inside the platform.
- Operate all controls smoothly.
- Warn other people that you are there by means of flashing lights, sign and cones.
- MAKE SAFETY YOUR No.1 PRIORITY.

NEVER

- Use an unsafe machine.
- Use an access platform to hoist loads like a crane.
- Overload cage/platform.
- Operate in strong winds (Check manufacturer's recommendation).
- Rest the cage on a structure or object to gain extra support.
- Attach your safety harness to a structure outside of the platform.
- Throw or drop anything from the platform.
- Use boxes, ladders or stand on handrails to gain additional height, if you can't reach, you need a bigger machine.
- Let an untrained person operate the access platform.
- Take unnecessary risks (hospitals and graveyards are full of dead heroes!)

**In the unlikely event that your machine develops a fault
please contact the Facelift Tech Team on 01444 881100**

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SAFETY

MANDATORY PRECAUTIONS

When operating your Niftylift, your safety is of the utmost concern. In order to fully appreciate all aspects of the machine's operation it should be ensured that each operator has read and fully understood the relevant manual covering machine use, maintenance and servicing. If any doubts exist concerning any points covered in your manual, contact the Facelift Tech Team on 01444 881133.

Before using any Niftylift, thoroughly inspect the machine for damage or deformation to all major components. Likewise, check the control systems for hydraulic leaks, damaged hoses, cable faults or loose covers to electrical components. At no time should damaged or faulty equipment be used - Correct all defects before putting the platform to work. If in doubt, contact the Facelift Tech Team as before.



NEITHER FACELIFT NOR NIFTYLIFT HAVE DIRECT CONTROL OVER THE MACHINE APPLICATION AND USE. THEREFORE CONFORMANCE WITH GOOD SAFETY PRACTICES IS THE RESPONSIBILITY OF THE USER AND HIS OPERATING PERSONNEL. FAILURE TO UNDERSTAND AND FOLLOW ALL SAFETY RULES COULD RESULT IN SERIOUS INJURY OR DEATH.

- 1) Only persons trained on the same or a similar model will be permitted to operate the aerial Niftylift.
- 2) Always operate the Niftylift in full accordance with the manufacturers operating and safety instructions for that model.
- 3) Before use each day and at the beginning of each shift the Niftylift shall be given a visual inspection and functional test including, but not limited to, operating and emergency controls, safety devices, personal protective clothing, including fall protection, air, hydraulic and fuel system leaks, cables and wiring harness, loose or missing parts, tyres and wheels, placards, warnings, control markings, Operating and Safety Manuals, guards and guard rail systems and all other items specified by the manufacturer.
- 4) Any problems or malfunctions that effect the safety of operations shall be repaired prior to the use of the Niftylift.
- 5) Always ensure that all warning labels, instructions, placards, control markings and safety manuals are intact and clearly legible. If replacements are required contact Facelift or Niftylift. Always observe and obey safety or operating instructions on such labels.
- 6) Do not alter, modify or disable in any way the controls, safety devices, interlocks or any other part of the machine.
- 7) Before the Niftylift is used and during use, the user shall check the area in which the aerial platform is to be used for possible hazards such as, but not limited to, drop-offs, holes, bumps, obstructions, debris, floor and overhead obstructions, high voltage conductors, wind and weather, unauthorised persons and any other possibly hazardous conditions.
- 8) Never exceed the maximum platform capacity of 440lbs (200kg), as indicated on the machine serial plate.

- 9) Only operate the Niftylift on a firm, level surface.
- 10) Never position any part of the Niftylift within 10ft (3m) of any electrical power line, conductor or similar above 415 volts.



THIS MACHINE IS NOT INSULATED.

IF IN DOUBT, CONTACT THE APPROPRIATE AUTHORITIES.

- 11) On entering the platform ensure that the drop down entry bar is closed afterwards.
- 12) Use of an approved safety belt and lanyard, hard hat and appropriate safety clothing is mandatory. Fasten harness to designated harness securing points within the platform and do not remove until leaving the platform whilst in the stowed position.



- 13) Always remain standing in the platform. Do not attempt to increase your height or reach by standing and/or climbing on the platform guard rails or any other object. **KEEP YOUR FEET ON THE PLATFORM FLOOR.** Do not sit, stand or climb on the guard rail, mid rail or boom linkage. Use of planks, ladders or any other devices on the Niftylift for achieving additional height or reach shall be prohibited.
- 14) Do not use the platform levelling system to artificially increase the outreach of the platform. Never use boards or ladders to achieve the same result.
- 15) Do not use the platform to lift overhanging or bulky items which may exceed the maximum capacity or carry objects that may increase wind loading on the platform. (E.g. notice boards etc.)
- 16) The Niftylift shall not be operated from a position on trucks, trailers, railway cars, floating vessels, scaffolds or similar equipment unless the application is approved in writing by Niftylift Ltd. in Great Britain.
- 17) Always check below and around the platform before lowering or slewing to ensure that the area is clear of personnel and obstructions. Care should be taken when slewing out into areas where there may be passing traffic. Use barriers to control traffic flow or prevent access to the machine.
- 18) Stunt driving and horseplay, on or around the Niftylift shall not be permitted.
- 19) When other moving equipment and vehicles are present, special precautions shall be taken to comply with local ordinances or safety standards established for the workplace. Warnings such as, but not limited to, flags, roped off areas, flashing lights and barricades shall be used.
- 20) It shall be the responsibility of the user to determine the hazard classification of any particular atmosphere or location. Aerial platforms operated in hazardous locations shall be approved and of the type required.

- 21) The operator shall immediately report to his supervisor any potentially hazardous location(s) (environment) which become evident during operation.
- 22) If an operator encounters any suspected malfunction of the Niftylift or any hazard or potentially unsafe condition relating to capacity, intended use or safe operation, he shall cease operation of the Niftylift and request further information as to safe operation from his management, or owner, dealer or manufacturer before further operation of the Niftylift.
- 23) The operator shall immediately report to his superior any problems or malfunctions of the Niftylift, which becomes evident during operation. Any problems or malfunctions that affect the safety of operation shall be repaired prior to continued use.
- 24) The boom and platform of the Niftylift shall not be used to jack the wheels off the ground.
- 25) The Niftylift shall not be used as a crane.
- 26) The Niftylift shall not be positioned against another object to steady the platform.
- 27) Care should be taken to prevent rope, electric cords and hoses from becoming entangled in the aerial platform.
- 28) Batteries shall be recharged in a well-ventilated area free of flame, sparks or other hazards that may cause explosion. Highly explosive hydrogen gas is produced during the charging process.
- 29) When checking battery electrolyte levels great care should be taken to protect eyes, skin and clothing. Battery acid is highly corrosive and protective glasses and clothing is recommended.



- 30) When the machine is not in use stow the booms correctly. **NEVER LEAVE THE KEYS IN THE MACHINE**, if it is to be left for any period of time. Use wheel chocks if leaving on an incline.
- 31) If the platform or elevating assembly becomes caught, snagged or otherwise prevented from normal motion by adjacent structure or other obstacles, such as that control reversal does not free the platform, all personnel shall be removed from the platform safely before attempts are made to free the platform using ground controls.
- 32) The engine must be shut down while fuel tanks are being filled. Fuelling must be done in a well-ventilated area free of flame, sparks or any other hazard which may cause fire or explosion. **GASOLINE, LIQUID PROPANE AND DIESEL FUELS ARE FLAMMABLE.**



- 33) **NEVER START THE NIFTYLIFT IF YOU SMELL PETROL (GASOLINE), LIQUID PROPANE OR DIESEL FUEL.**
- 34) The operator shall implement means provided to protect against use by unauthorised persons.

- 35) Never remove anything that may affect the stability of the machine such as, but not limited to, batteries, covers, engines, tyres or ballast.

DAILY SAFETY CHECK LIST

Before use each day and at the beginning of each shift the aerial platform shall be given a visual inspection and functional test including, but not limited to, the following:

- 1) Read and fully understand Operating and Safety Manual.
- 2) Check safety belts and hard hats.
- 3) Check all decals and placards to see if in place and legible.
- 4) Check platform is securely fastened to platform support.
- 5) Check wheel nuts for tightness and tyres for condition or damage.
- 6) Check outriggers (if applicable) for condition, microswitch operation and security.
- 7) Check batteries for condition, cleanliness, connections and electrolyte levels.
- 8) Check engine oil, fuel and coolant levels (if applicable).
- 9) Check installation of all guards, covers and boom clamps.
- 10) Check for loose, missing or damaged parts.
- 11) Check all hydraulic hoses and electrical cables and wiring.
- 12) Check hydraulic, fuel and air systems for leaks.
- 13) Do not exceed rated platform capacity 440 lbs (200kgs).
- 14) Check foot pedal for proper operation (if applicable).
- 15) Check all operating emergency controls - Select an area free from obstructions and hazards. Exercise extreme caution throughout the checking procedure especially when checking brakes.
- 16) Check operation of emergency hand pump.
- 17) Check brakes and all lights.
- 18) Check tilt sensor/alarm horn and beacons (if fitted).
- 19) Check high engine and/or high drive limit switches.
- 20) Check and refer to operating and safety manual for further daily/periodic checks and inspections.

SETTING UP PROCEDURES

- 1) Position platform on firm level ground. If on a slight gradient, face platform downhill and work cage on the uphill side. NEVER work with the base across the slope.
- 2) Position platform, bearing in mind movement of booms so that overhead obstructions can best be avoided.
- 3) APPLY HANDBRAKE. Cone off machine if working on a road or busy factory area. Engage hazard warning lights and rotating beacon where fitted.
- 4) Turn keyswitch in cab to 'On' to engage P.T.O. Red light should illuminate and buzzer sound.
- 5) In order to increase the operating speed of the machine, it is permissible to increase the engine speed by 10-15% above idle using the hand throttle. However, it must be stressed that operating at high speed will make the machine less safe and increase risk of damage to the hydraulic system.
- 6) Ensure that Duty Selector Handvalve, adjacent to the Ground Platform Control Station, is in 'Jack leg' position, i.e. handle horizontal.

- 7) Check Emergency Stop is in its working position. If not twist the red mushroom head to reset. The Emergency Stop is positioned in the cage.
 - 8) Hydraulic power is now available at the jack station. Note: No control at the Jack Control Station will not be allowed if the booms are not fully stowed onto the boom rest. This is to prevent jack operation should the boom already be elevated.
 - 9) Using the two individual Jack Control Levers, extend both legs until each is in contact with the ground.
 - 10) Level the platform using the spirit level mounted on the base, by slightly raising the base of the platform thereby taking the maximum stabilising weight of the chassis and running gear. Care should be taken to avoid manhole covers, drains etc. If ground is soft (e.g. grass), use sole boards under jack feet.
 - 11) Ensure that both jack plates are taking equal weight before changing the Duty Selector handvalve from 'Jack' control to 'Platform' operation, i.e. handle upright.
 - 12) The platform can now be operated from the Ground Control Station or from the cage.
- 2) Never exceed safe working load.
 - 3) Never elevate booms if ground slope exceeds 3 degrees.
 - 4) Do not work in wind speeds exceeding 30mph (50kmh).
 - 5) Do not carry large sheets, e.g. plywood, pvc, glass etc. in windy conditions.
 - 6) Do not tension overhead cables.
 - 7) Do not allow cables, air lines etc. to 'hang free', tie them to the booms.
 - 8) Do not work within 3m of overhead cables exceeding 415 volts.
 - 9) Do not strike obstructions with booms or cages.
 - 10) Do not leave cage or stand on objects whether inside or outside cage whilst booms are elevated.
 - 11) Use sole boards or similar under jack feet when working on soft ground.
 - 12) Do not allow knuckle to swing out into path of passing vehicles.
 - 13) Do not attempt to elevate booms without extending jack legs. Interlocks prevent this.
 - 14) Do not move machine unless booms are fully lowered and jack legs retracted.

Note: All booms will operate only if both jack legs are in their safe operating positions, sensed by the individual limit switch mounted on each leg

BOOM OPERATION

Raise boom 2 from rest by operating control lever 1 (NB: because of geometry boom 3 will also rise, but will remain at a constant angle until control 2 is operated). Use controls until desired height and outreach is achieved. Slew as required. To restore booms to stowed position, reverse above procedure, ensuring booms are lined up with boom rest before completely lowering boom 2.

EMERGENCY DESCENT

- 1) **In the event of loss of P.T.O.**, the machine can be battery operated by pressing and holding the Green button in the cage while the controls are operated to recover the machine. The horn will sound whilst operating in this mode and the P.T.O. clutch is automatically disengaged.
- 2) **In the event of a power failure:** Turn release knob anti-clockwise in check valve on ram and lower cage to ground using either cage or base controls.
- 3) **In the event of an incapacitated operator:** Bring down cage using lower hand valves in the normal manner.

OPERATIONAL CONDITIONS

There will be no platform power until jack legs are extended and machine is jacked to a level position.

Once elevated, controls to the jacks are rendered inoperative until the platform is once more fully stowed.

The alarm will sound if a jack leg goes light during operation and while operating on emergency D.C. power pack (where fitted).

OPERATIONAL SAFETY

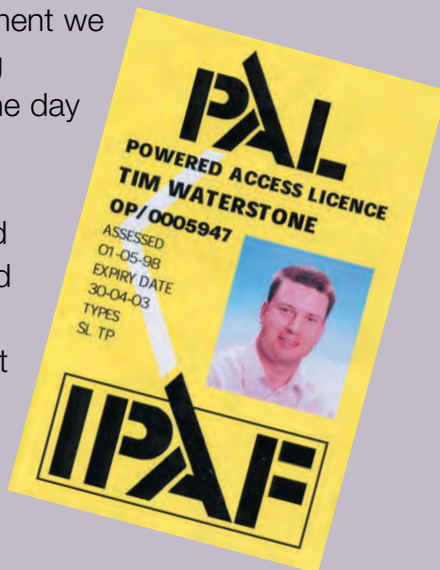
- 1) Observe carefully all the operating instructions and 'warnings' on machine.

NOTES:

operator training centre

When hiring access equipment we strongly recommend taking advantage of one of our one day operator training courses

As Facelift is an accredited IPAF (Independent Powered Access Federation) training centre you can be sure that your staff will be trained to a high standard and receive an internationally recognised qualification.



Courses can take place on your own premises or at one of our training centres, situated in Hickstead, Iver, Southampton and Liverpool.

We can train your personnel on any of the following equipment:

- (SL) Scissor Lift
- (SPB) Self Propelled Boom
- (VMP26) Truck/Van mounted to 26m
- (VMP200) Truck mounted over 26m
- (VPP) Vertical Personnel Platform
- (TP) Trailer/Push around

The one day course* covers site safety, practical demonstration, sole usage and site risks and includes a theory test.

*(two day course for VMP200)

Successful candidates are issued with the IPAF PAL card, widely accepted by both the CITB and Health And Safety Executive.

For further information or to arrange a training course call us today on:
0800 0 72 55 72

