

Task Risk Control Sheet

Use of vacuum lifting device

RCS No: NR/L3MTC/RCS0216/MP23
Issue: 2

Key Risks !

- Collisions and Derailments
- Striking objects, etc
- Lifting Operations

Personnel Involved

E&P	✓
S&T	✓
Track	✓
Off Track	✓
Property	✓

Tools / Equipment

Plant

Key Risks	Controls	Implemented By
Key Use & Control of OTP	<ul style="list-style-type: none"> • See Risk Control Sheet NR/L3/MTC/RCS0216/MP01 - Use and Control of OTP 1, 2, 9 and 12 	
All Tasks	<ul style="list-style-type: none"> • Only trained and competent operators shall use the device in accordance with the manufacturers instructions • Do not exceed maximum rated capacity • Operator shall always be able to see vacuum pressure gauge • Check vacuum lifting device is correctly secured to the crane • Do not release loads when not supported (on the ground or stillage) • Release loads onto level ground, or where it will not slide/overturn • Do not use if temperature <5°C or > 40°C • See Risk Control Sheet NR/L3/MTC/RCS0216/MP06 - Lifting and Thinblinding Operations • See Risk Control Sheet NR/L3/MTC/RCS0216/MP07 - Use of OTP with Attachments 	Machine controller / machine operator
<ul style="list-style-type: none"> • Loss of load 	<ul style="list-style-type: none"> • Do not attach suction plates to surfaces that are porous • Do not exceed the lifting capacity of suction plates fitted to the vacuum lifting device • If power fails, lower load to ground immediately • If vacuum pressure falls below 0.6 bar (red section of gauge) lower load to ground immediately • Check warning device is switched on and working • Reduce or land load if warning device activates • Do not pull load to the side • Do not drag the load along the ground • Distribute loads equally between suction pads 	Vacuum device Operator
<ul style="list-style-type: none"> • Wet weather – loss of load 	<ul style="list-style-type: none"> • Remove water from suction surface • Check area around suction plates on the vacuum lifting device is clear of water 	Vacuum device operator
<ul style="list-style-type: none"> • Personal injury 	<ul style="list-style-type: none"> • Do not use vacuum lifting device to transport people • Do not look into suction opening when device is switched on • Keep people clear of the vacuum lifting device when it is switched on • Ear , hand and eye protection to BS EN166.F shall be worn 	Machine operator / machine controller

Task Risk Control Sheet

PPE Required by NR / Maintenance Policy



Wear Head Protection



Wear Foot Protection



Wear Hi Visibility Clothing



Wear Safety glasses to BS EN 166.F

If safety glasses introduce a risk (ie weather conditions) then the Team Leader shall assess the risk. The outcome of the assessment shall be recorded on the SSOWPS pack and safety glasses may be removed.

This does not supersede the requirements for eye protection detailed on relevant Task Risk Control Sheets.

Additional PPE Required by Task Risk Control Sheet



Wear Hand Protection



Wear Hearing Protection



Wear Safety glasses to BS EN 166.F