

Hazard Identification, Risk Assessment and Control

Company: **WACKER AUSTRALIA PTY. LTD.**

Plant/equipment: **Double Drum Vibratory Roller RT**

Plant/task described: Compaction of soil, asphalt, pavers

Operating Safety

Familiarity and proper training are required for the safe operation of equipment

Equipment operated improperly or by untrained personnel can be dangerous. Read Operating Instructions and Safety Guidelines to familiarize yourself with the location and proper use of all instruments and controls. **WEAR PROTECTIVE EQUIPMENT AT ALL TIMES.**

Hazard Identification (injury due to:)	Risk Assessment	Practicability (Is it practicable to remove or mitigate the hazard or risk?)		Risk Control
		YES	NO – Why not?	
Uncontrolled movement	High risk	X		Brakes provided Hydraulic circuit acts as brake Observe safety decals Observe warnings in instruction manual
Burns on exhaust	Medium risk	X		Observe safety decals Hot parts are under protective covers Observe warnings in instruction manual
Explosion or fire	Medium risk		When refueling machine, flammable liquids are exposed and vapors are present, which cannot be avoided	Observe safety decals Observe warnings in instruction manual
Crushing in pinch zone	Medium risk	X		Lock arm safety device Observe safety decals Observe instructions in instruction manual
Plant tipping over/rolling over Operator slipping, tripping, falling	Medium risk		Environment in which machine is operated cannot be controlled by the supplier	Always ensure machine is placed in secure position Take special care when operating at elevated places, slopes or uneven ground Observe warnings in instruction manual Rops and seatbelt fitted to machine

Contact with high pressure hydraulic fluid due to faulty pipes	Medium risk	X		All hydraulic pipes are under protective cover Observe operating instructions in manual Observe safety decals
Incorrect starting and operation	Medium risk	X		Roller will not start if control is not in neutral position Observe operating decals on machine Observe operating instructions in manual
Contact with vibrating parts	Low risk		Parts of the machine need to vibrate to fulfill task description	Observe warnings in instruction manual It is difficult for operator to touch vibrating parts during operation
Entanglement of clothing etc with controls	Medium risk		Control levers, steering wheel etc have to be accessible. They are of low risk design	
Entrapment between plant and fixed structures	Low risk	X		Safety bar will stop machine when in contact with body or structure Put joy stick into “Forward” position to move machine away from you Observe safety decals on machine
Remote control transmitter effects other machines	Low risk	X		12 different channels available
Remote control fails or transmitter out of range	Low risk	X		Machine and engine stops when signal is interrupted, too far away or too near Manual emergency control on machine console Observe instruction in operation manual

Suffocate or ill health due to: Exhaust fumes & fuel vapors	Medium risk		Exhaust fumes and petrol vapors are unavoidable	Always operate and refill machines in well ventilated areas only Observe safety decals fitted to machine Observe warnings in instruction manual
Noise and dust	Low risk		Environmental circumstances in which machine is operated are beyond the control of the supplier	Wear hearing protection Observe safety decals Observe warnings in instruction manual