

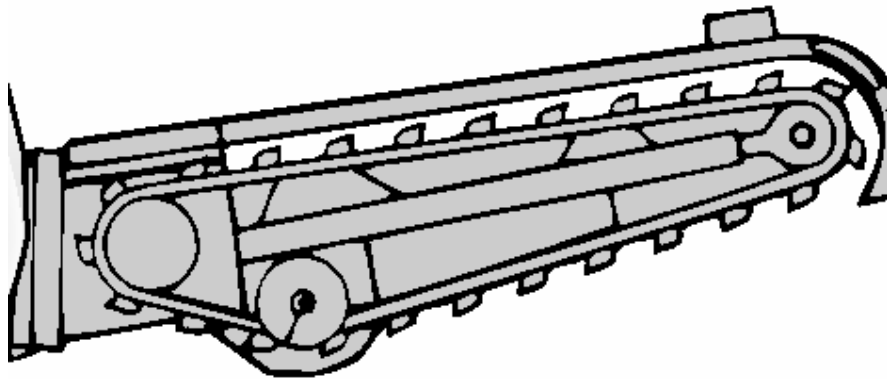


30 Salisbury Road, Hornsby, NSW 2077
PO Box 50, Hornsby, NSW 1630 Australia
Phone: (02) 9477 8444
Fax: (02) 9476 6558

RISK ASSESSMENT

For

Trencher Attachment



CONTENTS

Applicability

Standards referenced in the preparation of this document

Risk Assessment (1 page)

APPLICABILITY

The following Risk Assessment document is applicable to the Trencher attachment models:

- LT112
- LT213
- LT313
- LT405

STANDARDS REFERENCED

The following Standards, Acts and Regulations were referenced in the preparation of this Risk Assessment.

- NOHSC: 1010 (1994) - National Standard for Plant
- OHS Act 2000 (NSW)
- OHS Regulation 2001 (NSW)
- Workplace Health and Safety Act 1995 (Queensland)
- Workplace Health and Safety Regulation 1997 (Queensland)
- AS2359.6 (1995) – Powered Industrial Trucks – Safety Code
- AS4360 (2004) – Risk Management
- ISO/WD 3691-1 (1999) – Industrial Trucks – Safety Requirements and Verification
- EN1459 (1999) – Safety of Industrial Trucks

Risk Assessment - Trencher

Subject: Trencher Attachment for Compact Loaders

Hazard	Risk	Rating	Control
Plant machinery not compatible with attachment	Attachment fails - injury to operator/bystander	Low	Use correct attachment and work procedures. Refer to owners manual
Attachment not secured to machinery correctly	Attachment fails - attachment comes off and hit operator/bystander	Medium high	Refer to operators manual - Make secured in correct position before usage
Obstructions underground - rocks	Attachment fails - operator frustration increases risk of injury	Medium high	Continually inspect site before and while work is being completed
Obstructions underground - service(eg. water, electricity, gas)	Electric shock, gas explosions, fire	Medium	Inspect area and check with local authorities for service location
Obstructions underground - service(e.g. cables)	Hook cable on teeth, lacerations to operator/bystanders	Medium	Inspect area and check with local authorities for service location
Bystander injury	Poor visibility causing collision	Medium high	Operator should only proceed when a full grasp of surroundings is known, bystander to be kept clear at all times.
Moving trencher manually	Back injury, strains	Medium	Only use plant equipment to move trencher
Connecting/disconnecting trencher	Crush injury to body and/or limbs, back injury, strains	Low	Proper techniques outline and operation manual
Attachment becomes hot due to sun/ hydraulic operation	Burns to operator	Low	Use gloves if need be, when connecting/disconnecting trencher
Hot hydraulic fluid while disconnecting attachment	Burns to hands, eyes and/or body	Low	Relieve pressure in hydraulic lines before disconnecting, refer to owners manual
Sharp edges - especially on chain teeth	Minor abrasions and cuts	Low	Take care when moving in the vicinity of the trencher or performing adjustments
Rotating chain	Coming in contact with or getting caught on moving chain	Medium high	No bystander. Operator only from plant machinery. Stay well clear of the chain when it is in operation at least 6 metres
Rotating side auger	Coming in contact with or getting caught on moving auger	Medium high	No bystander. Operator only from plant machinery. Stay well clear of the auger when it is in operation at least 6 metres
Hydraulic leakage under pressure while hot	Burns to operator, bystanders	Medium	Burst bag covers all hydraulic lines
Noise- Prolonged exposure to high level noise	Hearing damage	Low	Use hearing protection. If plant machinery exceeds safe operation level.
Foreign objects ejected/thrown whilst in operation	Hazardous to bystanders body, head, eyes	Medium	Bystanders must be well clear as objects could travel large distances, wear eye protection
Clearance of diggings	Possible severe injury to person from ejection of material	Medium high	Only commence clearing once trencher is well clear machinery is turned off
Chain breaking	Severe lacerations to operator and/or bystanders	Medium	Keep chain well maintained and check before every use. Refer operation manual.
Tooth being ejected	Severe lacerations to bystanders	Medium	Keep chain and teeth well maintained and check before every use
Tooth becoming loose	Person being caught on chain	Medium	Keep chain and teeth well maintained and check before every use
Improper use of trench cleaner	Objects ejected during operation	Low	Refer to operators manual - make sure trench cleaner is in correct position before usage

Hierarchy of Control

1. Elimination
2. Substitution
3. Isolation
4. Engineering Control
5. Administrative Control
6. PPE