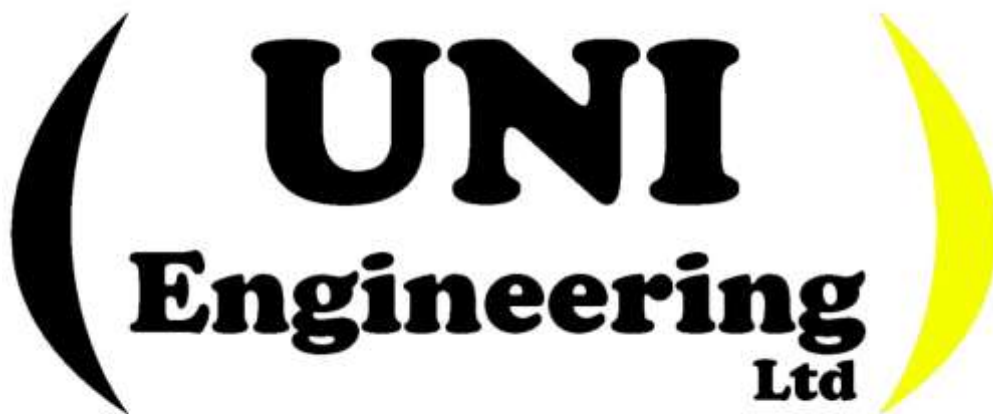


Operator's Manual & Parts Book

UNI Hydraulic Tip Trailers

6 Tonne Trailer



"Quality made affordable"

Manufactured by

UNI Engineering Ltd

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Disclaimer

Please be aware that as every endeavour has been made to compile all correct information for your selected machine, it is possible some information may be incomplete or missing.

UNI Engineering request that you treat this book as a guide only, and offer any assistance necessary to procure the information or part you may require.

If you have any queries, please contact the office of UNI Engineering Ltd on (07) 883 1050.

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Introduction

Thank you for purchasing a UNI Engineering product. Here at UNI, our mission is to make top quality farm machinery, at an affordable price. We achieve this by sourcing only the best quality parts for our machinery and manufacturing it all ourselves in our workshop in Tirau, the heart of the Waikato.

Following the guidelines set out in this Operators Manual, will ensure you have a pleasant and trouble free experience with your UNI Product.

UNI Engineering Ltd is a dynamic company and looks to cater to all your needs. Any feedback you may have is welcomed, and can help us improve our products and services so they can ensure they perform to your expectations.

We strongly recommend you read through this Operators manual, before the first usage of your new machine. This will help eliminate any problems that may happen during set up.

Delivery

Upon delivery of your new UNI machine, please check to make sure there is no delivery damage. If damage is present, please call our office immediately so we can offer a solution.

A Delivery slip will be present upon delivery. This is to ensure you, as the customer, understand our terms and conditions of delivery, as well as the agreed payment option.

Payment

'Pay on Delivery'

A 20%, or other mutually agreed, deposit is required to confirm the order. Once deposit is received, manufacturing on machine begins. The balance is paid once the machine has been delivered and the customer has checked there is no 'delivery damage.' The machine remains property of UNI Engineering Ltd until full payment has been made.

Finance

Finance options are available at UNI Engineering Ltd and must be agreed upon at the time of purchase.

If a customer continues to use a UNI Product, and has broken the terms of payment, as agreed at time of purchase, UNI engineering Ltd reserves the right to charge additional hireage fees, collection costs or repossess machinery.

Warranty

The machines designed and manufactured by UNI Engineering Ltd is warranted against faulty workmanship and defective materials for a period of 12 Months from date of delivery to the first user, with the exception of contractors or commercial users, where the warranty period is six Months. Such warranty is subject to the following conditions:

This warranty covers the repair or replacement of machinery sold by UNI Engineering Ltd from damages as a result of faulty workmanship or materials in such part or machinery. It does not extend to any other loss or damage to other property or persons.

Electronics or component parts on all UNI machinery not manufactured by UNI Engineering Ltd are subject to the warranty terms from its manufacturer.

No responsibility will be accepted for repairs made other than by UNI Engineering Ltd, without prior authorisation by UNI Engineering Ltd.

Warranty does not cover the following:

- a) Losses sustained through delay in delivery
- b) Travel expenses
- c) Damage caused by accident, misuse, neglect or when operated outside of conditions for which it was designed, or deemed appropriate by UNI Engineering Ltd.
- d) Any goods which have not received maintenance as set out in this book, as well as basic normal maintenance such as tightening bolts, nuts, hose connections and fittings and normal lubrication with the recommended lubricant.
- e) Any second hand goods or parts, or any other goods or parts not originally supplied by UNI Engineering Ltd.
- f) Any goods which has been on sold by the original purchaser

Procedure for claims

- Stop using the machine immediately
- The loss or damage should be reported directly to UNI Engineering Ltd who will advise whether it is covered by the warranty and direct the purchaser accordingly as to what action is to be taken.
- Advise UNI Engineering Ltd the Serial number of machine.

Set up and operating instructions

Installation

- Connect Trailer to the Tractor. Ensure you use a recognised hitch pin with a safety clip to hook trailed implements on behind trailer.
- Plug hydraulic hose/s into Tractor. Check there are no hydraulic leaks in the hoses and fittings
- Be sure that the tractor is the correct size in relation to the tractor. The tractor should be of greater or equal weight than the combined weight of the load and the trailer.

Machine Maintenance

Important maintenance after first usage:

As with all brand new machinery, there are certain checks you need to undertake after first usage, such as the following:

- Retighten wheel nuts. Paint on the wheel studs will crack after first usage and may cause wheel nuts to loosen.
- Check the PSI level on all wheels. (Check parts section of this Manual to see more details on the wheel, specific to your machine.

Regular maintenance:

- Regular lubrication is essential and should be greased, on average every three months. (Diagrams on next page). On a UNI Tip Trailer, there are 6 grease nipples which need to be checked. Four on the axle and two in the rear pivot hinges.
- There are also two grease nipples on the hydraulic ram saddle and one on the swivel tow eye. The side wind jack should be greased every three months as well (See diagram next page)
- Axle hubs should be greased half yearly.
- Wheel nuts and Tyre pressure should be checked each time maintenance is performed on the machine. Eg- Make sure wheel nuts are tight and tyres are at the correct PSI

Machine Maintenance (Cont)

Grease Points



Pivot Hinges



Hydraulic ram saddle



To Grease Jack, use a 10mm Spanner to remove nyloc nut and bolt. Remove cap and grease gears inside.



Swivel Tow Eye Grease nipple



Shown above are the grease nipples on the axle. There is one grease nipple in each of the two collars and one in each of the two walking beams.

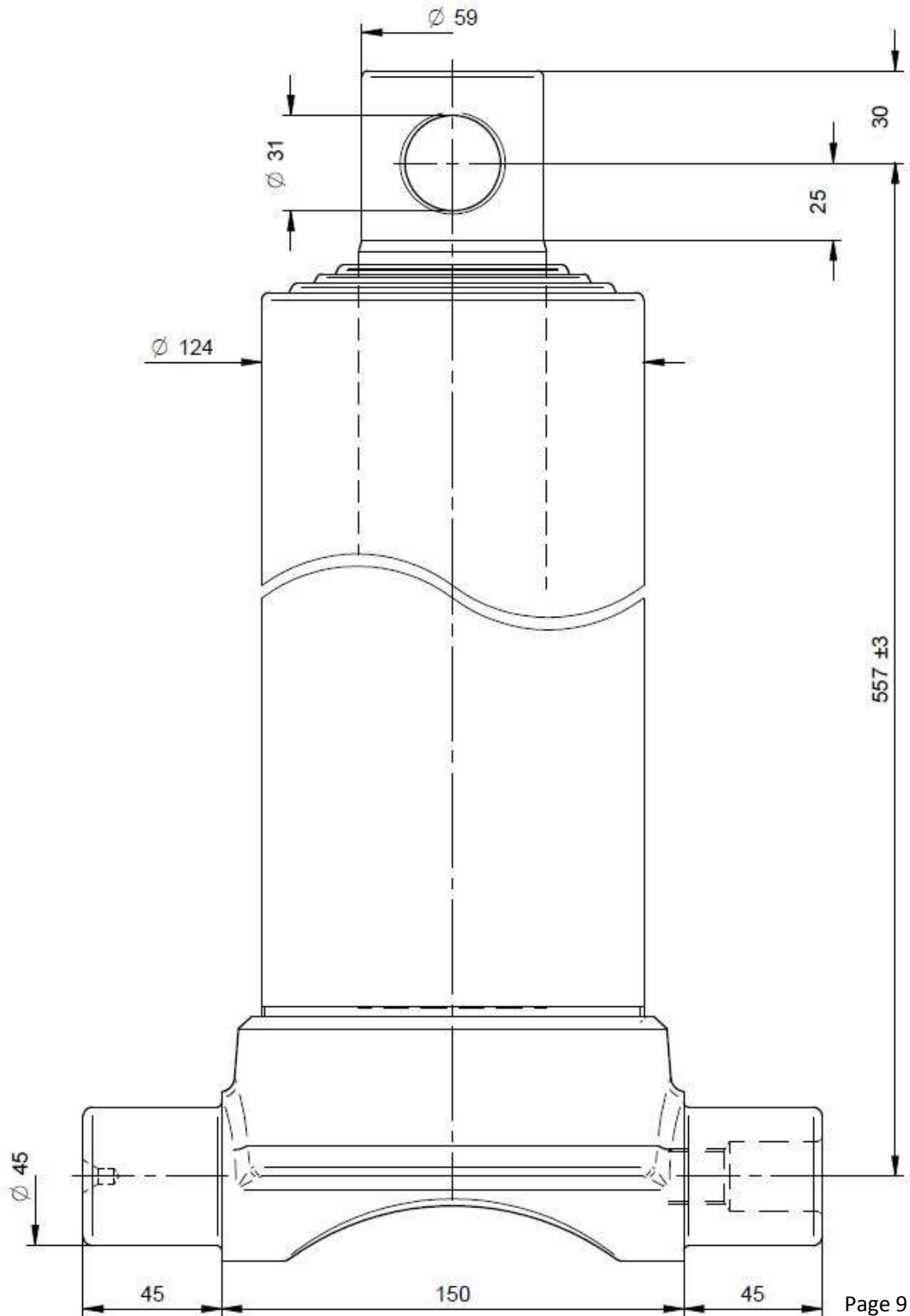
General Safety

To ensure the safety of yourself and others, please read the following safety precautions below.

Hazard	Potential risk source	Safety measure
Entanglement / trapping	Hydraulic Tip Ram	NEVER start machinery while either yourself, or something else, is inside or on the machine! Always wear proper protective clothing. Loose attire can easily be snagged by rotating machinery.
Entanglement / trapping	Hydraulic Tip Ram	If Machine jams during usage. NEVER attempt to service the machine while it is still running!
Damage to fingers and/or eyes through high pressure fluid ejection	Hydraulic oil pressure leaks	Release all hydraulic pressure from implements before commencing service.
Crushing or trapping	Movement between tractor and machine	Stay clear of machine while it is in use.
Instability under varying conditions	Machine Roll over	When pulling trailed implements or loads, be sure to use a tractor of greater or equal weight than the combined weight of the load and the machine.
Accident or damage due to incorrect use of machinery.	Untrained users operating machine.	Ensure person operating the machine has been trained and is competent in driving both the tractor and the machine.
Fire	Under certain hot or dry conditions, or extreme fire risk days, a fire can ignite.	Carry a suitable fire extinguisher.

Parts section

4 Stage Multi Ram



Wheel and Stub axles



Rim + Tyre Assy: 11.5/80-15.3

Tread Pattern	AW
Load Capacity	2430kg @ 40km
Ply Capacity	14
Tyre pressure	68 PSI
Height	845mm
Width	290mm
Rim	9"
Wheel colour	Silver

Monroc 60 sq Stub axle – Non braked

