

# OPERATIONS & SAFETY MANUAL

*EFFECTIVE 1 SEPTEMBER 2013 VERSION 6*

# WALSH & FORD

----- Established 1949 -----  
**BULK HANDLING SPECIALISTS**

|                  |
|------------------|
| CONTAINER LIFTER |
|------------------|

REPLACES VERSION 2011 V

PETER WALSH INVESTMENTS PTY. LTD.  
ABN 48144741748

FACTORY / OFFICE  
4 DAN STREET  
P.O. BOX 272  
DALBY, QUEENSLAND. 4405  
AUSTRALIA

## FACTORY PHONE NUMBERS

**(07) 46626174**  
**(07) 46626110**

## FACTORY FAX NUMBER

**(07) 46622435**

## A/HRS SALES - MOBILE NUMBER

**0412836938**

## WALSH & FORD E-MAIL ADDRESS

**[admin@walshandford.com.au](mailto:admin@walshandford.com.au)**  
**WALSH & FORD WEBSITE**  
**[www.walshandford.com.au](http://www.walshandford.com.au)**

## INTRODUCTION

In this brief introduction to your new Walsh & Ford product, we would like to acknowledge SAFETY as your number one priority in the use of this equipment. Take note of any recommendations we advise in the safe use of this equipment and ensure you induct/train any worker/contractor of their responsibilities and safety in the use of the machine. Ensure they sign off in this booklet once they have completed the training Induction by you the employer. Note this document should be used in conjunction with manual photos on the website.

BE SAFE, THINK SAFE, CARE FOR YOUR WORKERS.

Peter Walsh

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Serial Number of Unit

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This document has been sent to you by delivery confirmation (Australia Post) or attached to unit or provided by agent (reseller). We request you acknowledge this by returning in the pre-paid envelope with the signed acknowledgement form. B. Last page in this document. Failure to do so will result in all liability onus upon you and nil warranty on product.

We aim to conform to the Australian Standards as follows:

|        |                                       |
|--------|---------------------------------------|
| As/Nzs | 1554.1 2004 Structural steel welding  |
| As     | 4024.1 1996 Safeguarding of machinery |

|                       |              |
|-----------------------|--------------|
| Factory phone numbers | 07 4662 6174 |
|                       | 07 4662 6110 |
| Factory fax number    | 07 4662 2435 |

|         |  |
|---------|--|
| Email   | <a href="mailto:admin@walshandford.com.au">admin@walshandford.com.au</a> |
| Website | <a href="http://www.walshandford.com.au">www.walshandford.com.au</a>     |

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We strongly advise that the JSEA worksheets are duplicated and formulated before any work is performed.





### 3. Safety – Container Lifters

- Key points -
- A. Safety comes first
  - B. Safety of others is imperative
  - C. It is your responsibility to know the operational requirements of the unit and to advise others in your care.
  - D. It will be considered as misuse of the equipment if you the operator are unfamiliar with the safety operation and it's original intention of use.
- 3.1 Failure to read these instructions and failure to acknowledge them is considered as misuse of the product. Trained operators only to use this product.
  - 3.2 Do not operate unit without safety guards unattached or open.
  - 3.3 Do not remove any protective measures for any reason.
  - 3.4 Keep people who are not inducted in the use of and safety measures away from the unit at all times by a minimum physical distance equal to the size of the machine. Children at all times are not allowed in the vicinity as described above.
  - 3.5 Ensure body, hands, feet and clothing are clear of moving equipment.
  - 3.6 Ensure unit is positioned well away from overhead power transmission lines/poles.
  - 3.7 Ensure twist locks are in good condition and order, inspect per each load and suspend work immediately if a fault or potential fault is identified. Tag out system and repair immediately.
  - 3.8 Inspect pivot pins daily before use and lubricate, any fault follow actions in 3.7.
  - 3.9 Do not attempt to ride unit to vertical position. At no stage of use or operation should anyone physically be in contact with the unit as it's in the lift/lower cycle.
  - 3.10 Use of safety harness and lanyard is mandatory in the use of this machine and is to always be performed on accessing ladder to platform height.
  - 3.11 JSEA is to be performed so as to ensure the operator is aware of any potential safety issues and to create a chain of procedures to ensure safety.
  - 3.12 Ensure unit is deactivated and tagged out before accessing ladder.
  - 3.13 Do not clean/adjust/lubricate the unit whilst in operation.
  - 3.14 Ensure all people are a minimum physical distance of the total length of the machine away at all times whilst the unit is in lower/raise mode.
  - 3.15 Incident reports are to be generated if any mishap occurs in the use of the machine. I.e. strike by side loader/forklift, lifting off without releasing twist locks, inverting unit without locking twist locks.
  - 3.16 Failure of use of procedures that result in damage to the unit or creates stress fatigue in the steel work once noticed, requires the immediate suspension of use of the machine until it can be determined that the unit can be repaired.
  - 3.17 Use of P.P.E. is mandatory (eyewear, ear protection, footwear).
  - 3.18 Ensure machine is in a lock out procedure when not in use.

4. Assembly – Container Lifters

- Key points -
- A. Safety comes first.
  - B. Walsh & Ford can assemble/commission if required  
(costs will occur)

- 4.1 Container lifters are a stand alone unit that have been built tested and are ready for use. They require a solid base with concrete slab that is rated by your engineer specific to your conditions. They must be chem set to the concrete.
- 4.2 Hard wiring is to be completed by your local certified electrical contractor, with all wiring to be buried in conduit to protect from striking/crushing. At this stage control box is to be removed from unit and reconnected to tower independent to the unit. ( prevent physical shock to electrical starter)
- 4.3 Chem set is to be advised by your weigh cell contractor and completed by that subcontractor.

## 5. Operation – Container Lifter

- Key points -
- A. Safety comes first
  - B. Safety of others
  - C. Routinely check machine.

- 5.1 Ensure area is free of unauthorized/inducted public or staff.
- 5.2 Packing plant operator to arrange/organize the placement of 20' container onto platforms twist locks via forklift or side loader.
- 5.3 Ensure doors are positioned to platform end.
- 5.4 Before any activation of controls – twist locks are to be secured by the packing plant operator.
- 5.5 Open container doors.
- 5.6 Once again check twist locks are locked and secure. Clear site of staff, move forklift/side loader from area.
- 5.7 Unlock control cabinet with packing plant operation key. Start unit, allow 5 seconds, before raising /lower unit via hydraulic lever to position required.
- 5.8 Deactivate unit/lock cabinet.
- 5.9 Deliver product to inverted container.
- 5.10 On completion of product delivery ascend ladder whilst using harness and lanyard. Ensure at top lanyard is connected to lanyard railing, close doors and lock.
- 5.11 Descend stairs ensuring use of lanyard.
- 5.12 Unlock cabinet. Start machine and return container to horizontal level. Lock cabinet.
- 5.13 Unlock all four twist locks.
- 5.14 Remove shipping container.

### Key Notes

- a. always check twist locks are secure when raising container**
- b. always check twist locks are unlocked when removing container**
- c. safety first**



## 6. Safety – Hydraulics

- Key Points -
- A. Under no circumstances are the operator/owner allowed to modify or change hoses or reliefs.
  - B. Authorized hydraulic specialists only are to service/change settings.
  - C. Written request only before any attempt to modify/change hydraulic circuit.

6.1 System Circuit ( See following page)

6.2 Maintenance and Inspection Intervals.

At Commissioning ( First Week) it is advised to check Hydraulic Oil Daily for-

- A. Oil Level
- B. Temperature
- C. Condition (Water in oil, contamination, aged)
- D. Filter ( Monitor clogging indicators)
- E. External leakage (Formation of droplets of oil)
- F. Hoses
- G. Noises, vibrations ( Running and flow noises, switching shocks)

Continuous Operation

- A. Oil Level (daily)
- B. Temperature (daily)
- C. Condition ( 1000 hrs)
- D. Change (4000 hrs)
- E. Filter (Monitor clogging indicators )
- F. Air Breather (500 hrs)
- G. External leakage (weekly)
- H. Hoses (1000 hrs)
- I. Noises, vibrations (weekly)

Note: 500 hrs = Quarterly.  
1000 hrs = Half Yearly.  
2000 hrs = Yearly.

7. Electrics – Safety

- Key Points -
- A. Safety comes first.
  - B. Only authorized qualified electricians are to service/work on unit.

7.1 System circuit

8. Maintenance/Maintenance Schedule - Safety

Key Points -

- A. Attempt maintenance only when scheduled and machine is deactivated.
- B. Structural checks daily.
- C. Grease points weekly.
- D. Electrical checks ½ yearly.
- E. Hydraulic oil change yearly.

- 8.1 Take note of any incidents/mishaps i.e. lifting off full container without all twist locks released.
- 8.2 Check twist locks ram mounts for fatigue/stress.

## MAINTENANCE SIGN OFF FORM

| <b>PERIOD</b> | <b>AGENT</b> | <b>OWNER</b> | <b>WALSH &amp; FORD</b> | <b>SIGNATURE</b> |
|---------------|--------------|--------------|-------------------------|------------------|
| 6 MONTHS      |              |              |                         |                  |
| 12 MONTHS     |              |              |                         |                  |
| 18 MONTHS     |              |              |                         |                  |
| 24 MONTHS     |              |              |                         |                  |
| 30 MONTHS     |              |              |                         |                  |
| 36 MONTHS     |              |              |                         |                  |
| 42 MONTHS     |              |              |                         |                  |
| 48 MONTHS     |              |              |                         |                  |
| 54 MONTHS     |              |              |                         |                  |
| 60 MONTHS     |              |              |                         |                  |
| 66 MONTHS     |              |              |                         |                  |
| 72 MONTHS     |              |              |                         |                  |
| 78 MONTHS     |              |              |                         |                  |
| 84 MONTHS     |              |              |                         |                  |
| 90 MONTHS     |              |              |                         |                  |
| 96 MONTHS     |              |              |                         |                  |
| 102 MONTHS    |              |              |                         |                  |
| 108 MONTHS    |              |              |                         |                  |
| 114 MONTHS    |              |              |                         |                  |
| 120 MONTHS    |              |              |                         |                  |
| 126 MONTHS    |              |              |                         |                  |
| 132 MONTHS    |              |              |                         |                  |
| 138 MONTHS    |              |              |                         |                  |
| 142 MONTHS    |              |              |                         |                  |
| 148 MONTHS    |              |              |                         |                  |

## MAINTENANCE SIGN OFF FORM

|            |  |  |  |  |
|------------|--|--|--|--|
| 154 MONTHS |  |  |  |  |
| 160 MONTHS |  |  |  |  |
| 166 MONTHS |  |  |  |  |
| 172 MONTHS |  |  |  |  |
| 178 MONTHS |  |  |  |  |
| 184 MONTHS |  |  |  |  |
| 190 MONTHS |  |  |  |  |

## 9. WARRANTY.

WALSH & FORD as suppliers of agricultural implements / equipment provides this warranty for implements / equipment manufactured at Dalby, Queensland.

Subject to such other conditions, warranties and / or undertakings, which may apply from time to time under the laws of Australia and / or any applicable State or Territory thereof WALSH & FORD warrants with respect to each new item of agricultural implement / equipment that for a period of twelve months on agricultural implements / equipment from the date of the original retail sale thereof WALSH & FORD will repair or replace free of charge any part of such agricultural implements / equipment found to be defective in factory materials of workmanship under normal use and operation within Australia.

### PROVIDED THAT:

1. The agricultural implement / equipment as the case may be has been properly;
  - a) set up and operated strictly in accordance with the recommendations set forth in the Owner's and / or Service Manual provided with the implement / equipment;
  - b) Used and operated strictly within the capacity and operation limitations specified by WALSH & FORD and;
  - c) Properly maintained and cared for;
  - d) Used solely for the purpose for which it was designed in customary agricultural operations ("intended use") Use in any other way is considered contrary to intended use.
  - e) All regulations, rules, practices on safety and / or occupational medicine and / or road traffic Acts and Regulations are observed at all times; and
2. The repair and replacement is carried out by an authorized WALSH & FORD Dealer / Agency, and;
3. The defective part is returned at the request of the authorized WALSH & FORD Dealer / Agency, freight prepaid.
4. On sale of the implement / Equipment Dealer must disclose and supply details of Warranty in written form.

This warranty shall be void if any part or parts not manufactured or approved by WALSH & FORD are used either in the maintaining or servicing of the implement / equipment covered by this Warranty. No Warranty whatsoever is given on modified, altered or rebuilt machinery. Any arbitrary modification, alteration or rebuilding carried out on the implement / equipment will relieve WALSH & FORD of any liability whatsoever for and resulting loss, damage or injury.

This Warranty is not applicable to engines, electrical motors, clutches, universal joints, tyres and tubes, hydraulic motors, hydraulic wheel drives and hydraulic hose, rims, or any other component parts not manufactured by WALSH & FORD.

This Warranty does not extend to any consequential loss or damage however caused or arising, including failure in operation or performance of goods sold or repaired or replacement work or service performed thereon or thereto or any loss incurred, inter alia, for hire or unauthorized labour, supplies, substituted machinery or rented machinery or for any loss or damage incurred because of delay in harvesting or removal of crops or grain or for any event resulting in loss of crops, livestock or other losses nor shall WALSH & FORD be liable for any injury or negligence howsoever caused.

This Warranty does not exclude and necessarily applicable condition or warranty implied by the Trade Practices Act 1974 or any such condition or warranty implied by the applicable State Laws. Subject thereto, no warranty,

## 9. WARRANTY (cont)

guarantee or representation as to WALSH & FORD implements / equipment, other than as contained herein, is made or given by WALSH & FORD.

WALSH & FORD accepts no liability whatsoever for damage loss or injury howsoever resulting from misuse or non-compliance with and strict adherence to the operating instructions and safety manual.

The following are the answers to the most frequently asked questions about the WALSH & FORD Warranty provided with agricultural implements/ equipment purchased through your authorized WALSH & FORD Dealer / Distributor.

### **1. When does WALSH & FORD Warranty period commence?**

If the equipment was purchased as new equipment, the WALSH & FORD Warranty period will commence on the date the equipment was purchased new at retail. If the equipment has been purchased as used equipment the WALSH & FORD Warranty commencement date is the date on which the equipment was first purchased new at retail.

### **2. Who performs WALSH & FORD Warranty repairs or replacements?**

While any other authorized WALSH & FORD Dealer may carry out WALSH & FORD Warranty repairs or replacements, the authorized WALSH & FORD Dealer through whom the equipment was purchased (the selling Dealer) has primary responsibility for performing WALSH & FORD Warranty repairs and replacements under the WALSH & FORD Warranty.

### **3. What should I do to obtain WALSH & FORD Warranty service?**

Contact the selling Dealer or if that is inconvenient, any authorized WALSH & FORD Dealer, explain the problem you have encountered and arrange with the Dealer a mutually convenient time for the warranty repairs or replacement to be effected. Alternatively, contact may be made direct to Factory Headquarters at 4 Dan Street, Dalby, Queensland (P.O. Box 272). Telephone 07) 46626174. Facsimile 07) 466 22435.

Email [admin@walshandford.com.au](mailto:admin@walshandford.com.au)

## 10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Unit \_\_\_\_\_ Site \_\_\_\_\_ Date \_\_\_\_\_

Tick

- |   |          |                      |
|---|----------|----------------------|
| <input type="checkbox"/> Normal Operation | Location | <input type="text"/> |
| <input type="checkbox"/> Maintenance      | Location | <input type="text"/> |
| <input type="checkbox"/> Other            | Location | <input type="text"/> |

**Name/s of employee/s completing this JSEA:**

**JSEA Title (specify job task)**

**Type of permit required**

- Confined Space       Excavation       Hot Work       Fall Risk Control       Other \_\_\_\_\_

**Special PPE Requirements**



## 10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

**Special Tools or Equipment Required (consider such things as gas detection, ventilation fans, lighting, scaffolding etc)**

**Potential Environmental Hazards**    Air pollution (dust,fumes)    Spills to ground    Dirty Water discharge    Hazard flora/fauna  
 Noise pollution (off-site)    Spills to water    Other \_\_\_\_\_

**Hazardous Materials to be used (attach MSDS)**

**Fire/Emergency Requirements**

## 10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

### Other Potential Hazards to consider

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Electrical       | <input type="checkbox"/> Occupational Noise | <input type="checkbox"/> Work at Height  | <input type="checkbox"/> Other workers            |
| <input type="checkbox"/> Gas, dust, fumes | <input type="checkbox"/> Chemical           | <input type="checkbox"/> Access & egress | <input type="checkbox"/> Pressure (air,water,gas) |
| <input type="checkbox"/> Manual Handling  | <input type="checkbox"/> Heat               | <input type="checkbox"/> Radiation       | <input type="checkbox"/> Light (illumination)     |
| <input type="checkbox"/> Other            |   |  |   |

### Special Training Requirements

### Prescribed Occupation (Certification) Requirement

## 10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Job Safety and Environmental Analysis (JSEA) Worksheet

JSEA Number:

B.

| Job steps - list the major steps required to perform the task | Potential Hazard | Required Hazard Control | Person Responsible |
|---|------------------|-------------------------|--------------------|
| 1   |                  |                         |                    |
| 2   |                  |                         |                    |
| 3   |                  |                         |                    |
| 4   |                  |                         |                    |
| 5   |                  |                         |                    |
| 6   |                  |                         |                    |
| 7   |                  |                         |                    |
| 8   |                  |                         |                    |
| 9   |                  |                         |                    |
| 10  |                  |                         |                    |

Additional comments or details of special precautions to be taken :-

|  |
|--|
|  |
|--|

## 10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

### C. Risk Assessment

| <b>Likelihood that the accident will follow to completion</b> |   |
|---|---|
| A. Almost certain   | Most likely and expected result if the selected complete sequence of events takes place (1 in 10) |
| B. Likely   | Quite possible, not usual (1 in 10 to 100 chance)   |
| C. Moderate   | Would be unusual but possible sequence of events or coincidence (1 in 100 to 1,000 chance)        |
| D. Unlikely   | Would be a remotely possible coincidence (1 in 1,000 to 10,000 chance)                            |
| E. Rare   | Never happened after many years exposure but is conceivably possible (1 in 10,000 to 100,000)     |

| <b>Consequence</b> | <b>Injury/Illness, Damage, Environmental Impact</b>   |
|--------------------|---|
| 1. Noticeable      | First aid, minor damage, contained spill  |
| 2. Important       | Disabling injury, damage up to \$5,000, small uncontained spill                                 |
| 3. Serious         | Permanent disability injury, damage \$5,000-\$500,000, spill or release requiring notifying EPA |
| 4. Very Serious    | Fatality, damage \$500,000-\$1million, major spill or release with minor offsite impact         |
| 5. Extreme         | Multiple fatalities, damage < \$1million, major spill or release with major offsite impact      |

## 10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

To determine the risk, choose the Likelihood and the Consequence:

| Likelihood               | Consequence   |              |            |                 |            |
|--------------------------|---------------|--------------|------------|-----------------|------------|
|                          | 1. Noticeable | 2. Important | 3. Serious | 4. Very Serious | 5. Extreme |
| <b>A. Almost certain</b> | High          | High         | Extreme    | Extreme         | Extreme    |
| <b>B. Likely</b>         | Moderate      | High         | High       | Extreme         | Extreme    |
| <b>C. Moderate</b>       | Low           | Moderate     | High       | Extreme         | Extreme    |
| <b>D. Unlikely</b>       | Low           | Low          | Moderate   | High            | Extreme    |
| <b>E. Rare</b>           | Low           | Low          | Moderate   | High            | High       |

**Your assessment**    **Before controls**    Likelihood \_\_\_\_\_ Consequence \_\_\_\_\_ = Risk Score \_\_\_\_\_

**After controls**    Likelihood \_\_\_\_\_ Consequence \_\_\_\_\_ = Risk Score \_\_\_\_\_

## 10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

### D. Approvals

| Using Controls         | Management Control  | To be signed by                                    | Name of person | Signature | Date |
|------------------------|---|--|----------------|-----------|------|
| G <b>Extreme Risk</b>  | Immediate action, activity discontinued until risk is minimised | Manager/<br>Safety and<br>Training<br>Co-ordinator |                |           |      |
| G <b>High Risk</b>     | Immediate action, activity discontinued until risk is minimised | Manager/<br>Safety and<br>Training<br>Co-ordinator |                |           |      |
| G <b>Moderate Risk</b> | Risk addressed as part of risk control program                  | Site Manager                                       |                |           |      |
| G <b>Low Risk</b>      | Risk identified to employees                                    | Supervisor   |                |           |      |

## 11. CONFINED SPACE WORKSHEET

JOB

|  |
|--|
|  |
|  |
|  |
|  |
|  |

P.P.E. MEASURES:

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_

(E.G. RESPIRATION, PROTECTIVE CLOTHING, FIRST AID, HARNESSSES, LIFTING EQUIPMENT ETC)

NOTIFY:

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

AUTHORIZED BY:

- A. \_\_\_\_\_

BACK-UP SITE MEMBER

- A. \_\_\_\_\_
- B. \_\_\_\_\_

REMOVAL MEASURES  
PROCEDURE

|  |
|--|
|  |
|  |
|  |

## 12. PARTS.

FOR PARTS PLEASE CONTACT WALSH & FORD WITH UNIT'S  
SERIAL NUMBER.



### 13. OWNER CONFIRMATION.

I, \_\_\_\_\_ ACKNOWLEDGE BY  
PURCHASE OF THIS **WALSH & FORD** UNIT, THAT I HAVE  
AND WILL ACCEPT INSTRUCTIONS OF ITS INTENDED  
USE AND WILL ALSO TRAIN AND INDUCT EMPLOYEES  
AND SUBCONTRACTORS IN THE MACHINE USE.

BUSINESS NAME:.....  
ADDRESS:.....  
TELEPHONE /MOBILE NUMBER:.....  
E-MAIL ADDRESS:.....

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

|                       |
|-----------------------|
| SERIAL NUMBER OF UNIT |
|-----------------------|

***PLEASE SEND BACK DUPLICATE COPY TO WALSH & FORD  
IN SUPPLIED ENVELOPE.***

