TH15000 Workshop Tyre Handler

The TH15000 Workshop Tyre Handler has been designed to provide a maintenance tool for the safe removal and installation of tyres from a range of earthmoving and plant equipment. This tool has been developed to be used in a workshop environment and its compact design poses minimal impact on the normal operations of a mining workshop. (Part No. TL14000)

This fully self-contained diesel/hydraulic powered remote controlled unit will handle tyres and rims up to 15000kg and it can handle tyres ranging in size from 27.00 R49 to 59/80 R63.

60-75% more efficient than traditional methods

A valuable asset to improve safety and efficiency in all mining and earthmoving workshops
The traditional method requiring up to 3 bays for tyre handling

The more efficient method using the TH15000 Workshop Tyre Handler

**Features**

- Narrow foot print
- Work within one bay
- Self-propelled
- Remote controlled
- All-wheel drive and steer
- 2 drive modes: Travel/creep
- Handles tyres from R49-R63
- Provides a safe elevated work platform
- Supports torque wrench with a jib arm
- Tier 4 pollution rated engine

**Safety Benefits and Cost Savings**

- Provides a safer working environment for all maintenance staff to assist mine maintenance workshops to achieve zero harm.
- Allows all bays in the workshop to be utilised to maximise workshop efficiencies.
- Reduces the number of personnel required freeing up labour for other duties.
- With the introduction of the TH15000, the maintenance time of your equipment will be decreased. This means that your equipment will be spending less time in the workshop and more time moving overburden and minerals.
- On an independent trial the TH15000 proved to be 60-75% more cost, time and resource efficient than traditional methods.

**Functions**

- Handle tyres from 27.00 R49 to 59/80 R63
- Tyre manipulation:
  - Raise and lower
  - Side shift
  - Tilt forward/back
  - Rotate left/right
- Drive modes:
  - Travel (high speed low torque)
  - Creep (Low speed high torque)

**Trial results**

<table>
<thead>
<tr>
<th></th>
<th>Traditional Fork Truck</th>
<th>TH15000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (4 tyres)</td>
<td>160 mins</td>
<td>100 mins</td>
</tr>
<tr>
<td>Workers used</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>Total cost</td>
<td>$1632</td>
<td>$408</td>
</tr>
</tbody>
</table>
At Hedweld we have a vision that all workshop bays are being used efficiently, with specialised tooling that is purpose built for component handling, with the ultimate outcomes of:

**minimising workplace injuries and maximising availability.**

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**Precise control**

By utilising the latest hydraulic control technology we have developed the TH15000 Workshop Tyre Handler to give the operator precise control and accurate movement. The user-friendly radio remote has proportional control of the hydraulic valves providing the operator with true feel and millimetre perfect accuracy. By using the remote control the operator has improved visibility and is removed from the danger zone.

**Built to last**

Hedweld products are designed utilising the latest computer aided design techniques thus ensuring accurate fits and clearances for prolonged component life.

Hedweld products are fabricated using new high grade steel and a number of components are manufactured using the latest CNC machines and robotics, improving accuracy and ensuring repeatable quality.

Hedweld provides a 12 month warranty for all new equipment.

Specifications

The Trilift® TH15000 is compliant with the following standards:
- AS 1418.1:2002 Cranes, hoists and winches.
- AS/NZS 3679.1:2010 Hot-rolled bars and sections.

Key Operating Data

<table>
<thead>
<tr>
<th>Safe Working Load</th>
<th>15,000kg</th>
<th>33,069lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tare Weight</td>
<td>6,500kg</td>
<td>14,330lbs</td>
</tr>
<tr>
<td>Speed</td>
<td>0-17m/min</td>
<td></td>
</tr>
<tr>
<td>Handles tyres:</td>
<td>27.00 R49 to 59/80 R63.</td>
<td></td>
</tr>
<tr>
<td>Mode of operation:</td>
<td>Diesel/hydraulic</td>
<td></td>
</tr>
<tr>
<td>Engine type:</td>
<td>Hatz 2L41C Diesel Engine</td>
<td></td>
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</tbody>
</table>

Key Dimensions

<table>
<thead>
<tr>
<th>A</th>
<th>DECK HEIGHT</th>
<th>1058mm</th>
<th>41.6 inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>WIDTH</td>
<td>2833 mm</td>
<td>111.5 inch</td>
</tr>
<tr>
<td>C</td>
<td>CLAW WIDTH</td>
<td>611mm min – 1460mm max</td>
<td>24 min – 57.4 max inch</td>
</tr>
<tr>
<td>D</td>
<td>LIFT ROLLER</td>
<td>336mm min – 700mm max</td>
<td>13.2 min – 27.5 max inch</td>
</tr>
<tr>
<td>E</td>
<td>LENGTH</td>
<td>5366mm</td>
<td>211.2 inch</td>
</tr>
<tr>
<td>F</td>
<td>CLAW ANGLE</td>
<td>40° min – 110° max</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>JIB ARM HEIGHT</td>
<td>3423mm</td>
<td>134.7 inch</td>
</tr>
<tr>
<td>H</td>
<td>TILT ANGLE</td>
<td>Min -2° – Max +5°</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>LIFT ROLLER WIDTH</td>
<td>947mm min – 1147mm max</td>
<td>37.2 min – 45 max inch</td>
</tr>
<tr>
<td>J</td>
<td>TURNING CIRCLE</td>
<td>5400mm diametre</td>
<td>212.5 inch</td>
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</tbody>
</table>