



# TURNERS ENGINEERING

ABN 34 687 334 485

62 SPENCER RD, NERANG. PH: (07) 5578 1733 FAX: (07) 5578 2451

Email: rickturner@turnerseng.com.au

## To Whom It May Concern:

### Hydraulic Quick Hitch Lifting Lug

**Make: Caterpillar**

**Model: 375**

**Quick Hitch Serial No: QH-4868**

This is to certify that the design of Turners Engineering's quick hitch complies with AS4772-2008 and AS1418.8 clause 5.8.

**This Double Locking Auto-lock Quick Hitch** design type has a hydraulic cylinder fitted with a pilot operated check valve that will lock the cylinder in place should a loss of hydraulic pressure occur. The secondary safety system is a mechanically applied locking pendulum behind the swinging jaw assembly which ensures this assembly cannot retract allowing the attachment to come free from the quick hitch. This locking system actuates a locking jaw over the front attachment pin which also acts as visible indication that the locking mechanism is correctly engaged.

As per AS4772-2008 clause 2.3 and AS1418.8 clause 5.7.1(a)(iv) the lifting point used in this design type has been independently tested for strength at twice its maximum rated capacity as stated in AS1418.8 clause 5.7.5.

As the 200% test was classed as a destructive test, the lifting point should never be overloaded above its maximum rated capacity. Overloading the lifting point can result in micro-deformation that can reduce the strength of the lifting point and remain unseen until catastrophic failure occurs.

Each subsequent model of this design type, including the quick hitch stated above, complies with AS1418.8 as per AS1418.8 clause 5.7.1(b).

The lifting point in this design type has an MRC of 26000kg and is covered by Robertsons certificate 150242 (LL003).

Please refer to the operation and maintenance manual for instructions and safety information regarding use and maintenance of the quick hitch and lifting eye.

Rick Turner

GradIEAust 2716221  
Turners Engineering