

20141212FL1A/GRB/GRB

14 October 2014

The Manager,
Earthmoving Systems Pty Ltd
Unit 8, 34-36 Chapman Road
HACKHAM SA 5163

Attention: Mr Warren Savage,

Dear Sir

150MM. BLOCK LIFT

I confirm that, in accordance with your instructions, a structural analysis has been conducted of the "150 mm. Block Lift" as depicted on drawing prepared by Wilhelm Consulting, Sheet 1 of 1, dated 6th July, 2011 and titled "Earthmoving Equipment Hook Lift". We understand that the production units vary from the device depicted on the referenced drawing in that they incorporate a poly-urethane pad bonded to the contact face of the "control arm sandwich point" in lieu of the "80 duro. grey rubber" specified.

The analysis has been conducted in accordance with the requirements of AS 4991-2004 - "Lifting Devices" for a Rated Load of 350 kg.

The analysis indicates that the device, as analysed, complies with the requirements of the Code, subject to the following conditions: -

- The maximum durometer hardness of the poly-urethane contact pad does not exceed 60A.
- The contact surface between the poly-urethane pad and the load is dry.
- The bonded connection between the poly-urethane pad and the underlying steel substrate is fully intact. It is recommended that the apparatus be inspected daily, before use, to verify the integrity of this bond.

Yours faithfully
TONKIN CONSULTING



GR BURTON, FIEAust
Chartered Professional Engineer