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MECHANICAL TESTING LABORATORY REPORT – No.: 1-M-398299

Client:	**RICHMOND WHEEL & CASTOR CO.**	Client #:	**116195**
	590 Clayton Road, Clayton South VIC 3169	WV Ref:	**398299/1**
Description of Test :	**Compression Testing of 700kg Castor**	Report Date:	**21/05/07**
Client Order No :	**342423**	Date of Test:	**18/05/07**
Test Specification :	**Client Requirements (AS 1576.2, Appendix H)**	Position:	**Not Applicable**
Material:	**Not Specified**	Process:	**Not Applicable**
Identification:	**Wanda Scaffold Castor (P/N: 083SCAS879B)**	Procedure No:	**Not Applicable**
Job ID:	**Research & Development – Eng & QA**	Welder ID:	**Not Applicable**

Definitions: All abbreviations and terminology where possible is in accordance with relevant Australian Standards referred to by the applicable specifications reported herein.

COMPLIANCE/NON COMPLIANCE

The castor supplied and identified above **complied** with AS 1576.2-1991 Appendix H.

LOCATION OF TEST

8 Mercier Street, Coburg, VIC 3058.

IDENTIFICATON OF CASTORS & SCOPE OF TESTING

One assembled adjustable castor (frame and wheel) was submitted for compression testing. The castor was to be tested to a rating of 700kg. Testing was conducted in accordance with AS 1576.2 Appendix H – 1991.

LOAD TESTING

The assembled castor was loaded at 1.5 times and 3 times the rated load for 15 minutes each. The brake on the castor was applied during the testing.

The method of loading the castor is shown in Figure 1.

After the application of a force 1.5 times the rated load of the castor, no change in the movement of the castor was noted. The castor was able to smoothly rotate 360 degrees in both directions with no binding or additional looseness in the swivel bearing. No visible permanent set had developed in the castor supplied for testing.

When a force 3 times the rated load of the castor was applied, the castor did not collapse and no change in the movement of the castor was noted. The castor was able to smoothly rotate 360 degrees in both directions with no binding or additional looseness in the swivel bearing. No visible permanent set had developed in the castor supplied for testing.

Indentations due to the application of the brake were observed on the wheel after each stage of testing. This is shown in Figure 2.

D. Le
Metallurgist

Please note: Unless other arrangements have been made, all unclaimed test coupons and specimens will be disposed of after 30 days from the date of this report.

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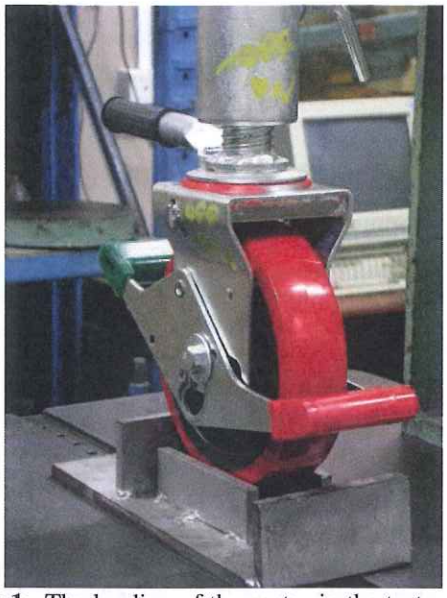

Figure 1: The loading of the castor in the test machine

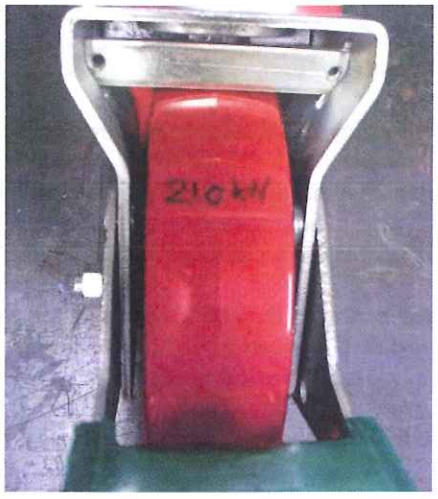

Figure 2: The depressions on the wheel after the application of the load. The load applied for the impression shown is marked on the photograph: 10.5kN for 1.5 times the rated load and 21.0kN for 3 times the rated load

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Metallurgist

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