## **Ultimate Load Test**

Minimum Frequency – Minimum of 1 common RC & 1 common RPC / 6 months & at commencement of any new design or major design alterations as detailed in Product Specification & Inspection and Test Plan.

- Notes:

  i) Testing shall be in accordance with Clause 8.5 AS/NZS 7000:2010 and relevant site Work Instructions.

  ii) Guidance on acceptance criteria is provided in Clause 8.5.3 AS/NZS 7000:2010
- ii) Record lateral deflection, shear cracks, angular rotation, and crack widths with corresponding distance from tip at each 10% load interval iv) Post initial 50% loading, remove load to 0% and record permanent set (mm) & crack widths.

  v) Loads at and beyond 60% to be held for two minutes.

If non-conforming do the following:	
a. Advise the designated quality coordinator of non-conformance and provide them with a copy of this form. NCP shall be raised	

Pole Size (Length / Working Load):	Ultimate Test Load:	kN	
Drawing No.:	Moment arm:	mm	
Date Cast:	Distance – Tip to centre of load	mm	
Test Date:	Distance – Butt to centre of top jaw	mm	
Pole No.:	Distance – Butt to centre of bottom jaw		
Customer:	Jaw spacing	mm	
Specification:	Steam (Hours & Temperature)		
Date forwarded to Engineering Dept.:	Measured Mass	kg	
Tip Wall Thickness (mm): Min: Max:	Butt Wall Thickness (mm): TDC: 90° 180° 270°	•	

TIP TYCH THIOMICO (HIII). WIII.					Butt Wall Fillettiess (IIIII). TBC 50 100 270	Butt Wall Mickiess (IIIII). 150 50 100 210			
% of Ultimate	of Load (kN)		Lateral Deflection	Angular	Remarks	Angle	Shear		
Test Load	Target	Actual	(mm)	Angular Rotation (deg)	Remarks	An	She		
10									
20									
30									
40									
50									
Perm. Set 0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

Wall thickness at failure point (mm) minr	max
Type of Failure	_PASS / FAIL
After 1st 50% loading cracks closed to: H/L / Not Visible / Width =	
Ambient Temperature: °C	
Trolley support(s) distance(s) from tip:m	
H/L = hairline crack width (width less than 0.05mm feeler gauge	
e pole tip or $-x$ angled below tip $(x = angle, deg)$	
ear cracks between jaws. Record shear crack locations i.e., SC/10.4	
Witness:	
	Type of Failure After 1st 50% loading cracks closed to: H/L / Not Visible / Width = Ambient Temperature: °C  Trolley support(s) distance(s) from tip: m m  H/L = hairline crack width (width less than 0.05mm feeler gauge e pole tip or -x angled below tip (x = angle, deg)  ear cracks between jaws. Record shear crack locations i.e., SC/10.4

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## **Additional Notes:**


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## **Document History:**

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1	02/072024	Initial Issue	Joshua Myhill	Joshua Myhill	Joshua Myhill

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