



**National Association of Testing  
Authorities, Australia  
SCOPE OF ACCREDITATION**

**Thompsons, Kelly & Lewis Pty Ltd  
trading as Flowserve Pump Division, Castlemaine**

**THOMPSONS KELLY AND LEWIS PTY LTD  
FLOWSERVE PUMP DIVISION, CASTLEMAINE**

| Accreditation Number: 280 | Site Number: 273 |

**Address Details:**

5 Parker Street

CASTLEMAINE, VIC AUSTRALIA

**Website:** [www.tkl.com.au](http://www.tkl.com.au)**Contact Details:**

Mr Stephen McKinley

**Phone:** +61(03) 54794302**Mobile:****Email:** [SMcKinley@flowserve.com](mailto:SMcKinley@flowserve.com)**Availability:** Services conditionally available to external clients

Note: Not all of the columns of the scope of accreditation displayed include data. The only data displayed is that deemed relevant and necessary for the clear description of the activities and services covered by the scope of accreditation.

**ISO/IEC 17025 (2005)****Manufactured Goods**

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Material performance evaluation of metal products	Prepared metallic test specimens	Hardness	Brinell; Brinell (portable tester);	AS 1816.1 ASTM E10 ASTM A370	Tests at 29.4 kN
		Hardness	Vickers	AS 1817.1	9.8 to 980 N

**ISO/IEC 17025 (2005)****Infrastructure and Asset Integrity**

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Evaluation of mechanical performance of pressure plant, pipelines and equipment	Pumps and pump sets	Performance, acceptance and commissioning evaluation		ANSI/HI 14.6 API 610 AS 2417 AS 2941 ISO 9906 ISO 13709 NFPA 20	
		Leakage		In-house procedure SP 3021	100 kPa to 55 MPa

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**ISO/IEC 17025 - Calibration** The uncertainty of measurement is reported as an expanded uncertainty having a level of confidence of 95% unless stated otherwise (2005)  
**Pressure Metrology**

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Calibration of pressure and vacuum measuring equipment	Pressure gauges; Pressure transducers; Vacuum gauges;	Gauge pressure	By pressure calibrator; Comparison with dead weight tester;		-95 kPa to 55 MPa

**MEASUREMENT UNCERTAINTY**

With a Calibration and Measurement Capability of -

0.2 kPa in the range -95 kPa to 700 kPa

0.015% reading or 0.05 kPa, whichever is greater, in the range 700 kPa to 5500 kPa

0.015% reading or 0.4 kPa, whichever is greater, in the range 5500 kPa to 55 MPa

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