

VALVE AND ACTUATOR ENDURANCE CYCLE TEST CERTIFICATE

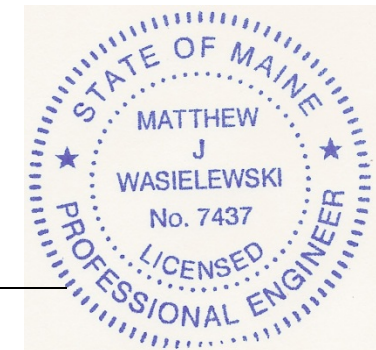
Name of Manufacturer: **Australian Pipeline Valve**

Test Start Dates: **January 2014**

DESIGNATION TESTED	SIZE	BODY	PRESSURE RATING	SEAT/ SEALS	PRODUCT DESCRIPTION	STANDARD / METHOD
APV MODEL FS9000 BALL VALVE C/W APV-TORQTURN HD SERIES ACTUATOR	2" (50NB)	A216 WCB CARBON STEEL	ANSI CLASS 150	PTFE/ GRAPHITE/ VITON	2" CLASS 150 RF BALL VALVE C/W HD SERIES TORQTURN HEAVY DUTY QUARTER TURN PNEUMATIC R & P ACTUATOR	CYCLING PROCEDURE AS PER API 622 2ND EDITION 2011 & ENDURANCE SIMULATED LIFETIME TESTED 2550 OPERATIONAL CYCLES, 3 THERMAL CYCLES - 20°C TO 150°C @285 PSIG
APV MODEL BVF100 BALL VALVE C/W APV-TORQTURN ASK SERIES ACTUATOR	2" (50NB)	A105 CARBON STEEL	ANSI CLASS 150	PTFE/ GRAPHITE/ VITON	2" CLASS 150 RF BALL VALVE C/W ASK SERIES TORQTURN HEAVY DUTY QUARTER TURN PNEUMATIC SCOTCH YOKE ACTUATOR	CYCLING PROCEDURE AS PER ISO 15848-1, 1ST EDITION, SIMULATED LIFETIME 1500 OPERATIONAL CYCLES ENDURANCE CLASS C02, 3 THERMAL CYCLES -20°C TO 150°C LEVEL 'CH' @285 PSIG
APV MODEL P47XUF GATE VALVE	8" (200NB)	A216 WCB CARBON STEEL	ANSI CLASS 150	METAL/ GRAPHITE	8" CLASS 150 RF GATE VALVE C/W APV-DIAMOND GEAR 107B GEARBOX	CYCLING PROCEDURE AS PER API 622 2ND EDITION 2011 ENDURANCE SIMULATED LIFETIME TESTED 1510 OPERATIONAL CYCLES, 3 THERMAL CYCLES - 29°C TO 260°C @285 PSIG
APV-SUPERSEAL MODEL SLHBF-FS-AWJBP BUTTERFLY VALVE C/W APV TORQTURN JA SERIES ACTUATOR	3" (80NB)	A216 WCB CARBON STEEL	ANSI CLASS 300	PTFE / GRAPHITE	3" CLASS 300 RF BUTTERFLY VALVE C/W JA SERIES HEAVY DUTY QUARTER TURN SCOTCH YOKE TORQTURN ACTUATOR	CYCLING PROCEDURE AS PER API 622 2ND EDITION 2011 ENDURANCE SIMULATED LIFETIME TESTED 2550 OPERATIONAL CYCLES, 3 THERMAL CYCLES - 20°C TO 150°C @600PISG

Laboratory Information

Name:	Yarmouth Research and Technology, LLC
Address:	434 Walnut Hill Road North Yarmouth, ME 04097 USA
Tester:	Matthew Wasielewski, PE info@yarmouthresearch.com www.yarmouthresearch.com (207) 829-5359

VALVE AND ACTUATOR ENDURANCE CYCLE TEST CERTIFICATE

Name of Manufacturer: **Australian Pipeline Valve**

Test Start Dates: **July 2015**

DESIGNATION TESTED	SIZE	BODY	PRESSURE RATING	SEAT/ SEALS	PRODUCT DESCRIPTION	STANDARD / METHOD
MODEL P143XU GLOBE VALVE	3" (80 NB)	A216 WCB CARBON STEEL	ANSI CLASS 150	METAL/ GRAPHITE	80 NB (3") CLASS 150 RF GLOBE VALVE	CYCLING PROCEDURE AS PER API 622 2ND EDITION 2011 & ENDURANCE SIMULATED LIFETIME TESTED 2550 OPERATIONAL CYCLES, 3 THERMAL CYCLES - 20°C TO 500°F @170 PSIG
MODEL SLFSBV01 C/W JA SERIES TORQTURN ACTUATOR	3" (80 NB)	CARBON STEEL	ANSI CLASS 150	PTFE/ GRAPHITE	3" CLASS 150 RF BALL VALVE C/W JA SERIES TORQTURN HEAVY DUTY QUARTER TURN PNEUMATIC SCOTCH YOKE ACTUATOR	CYCLING PROCEDURE AS PER ISO 15848-1, 2 ND EDITION, SIMULATED LIFETIME 1500 OPERATIONAL CYCLES ENDURANCE CLASS C02, 3 THERMAL CYCLES -20°C TO 150°C LEVEL 'BH' @285 PSIG
MODEL BV100 C/W JC SERIES TORQTURN ACTUATOR	2" (50 NB)	CARBON STEEL	ANSI CLASS 800	PTFE/ GRAPHITE	2" CLASS 800 BALL VALVE C/W JC SERIES QUARTER TURN R & P APV TORQTURN ACTUATOR	CYCLING PROCEDURE AS PER ISO 15848-1, 2 ND EDITION, SIMULATED LIFETIME 1500 OPERATIONAL CYCLES ENDURANCE CLASS C02, 3 THERMAL CYCLES -20°C TO 150°C LEVEL 'BH' @800 PSIG

Laboratory Information

Name:	Yarmouth Research and Technology, LLC
Address:	434 Walnut Hill Road North Yarmouth, ME 04097 USA
Tester:	Matthew Wasielewski, PE info@yarmouthresearch.com www.yarmouthresearch.com (207) 829-5359




VALVE AND ACTUATOR ENDURANCE CYCLE TEST CERTIFICATE

Name of Manufacturer: **Australian Pipeline Valve**

Test Start Dates: **May 2016**

DESIGNATION TESTED	SIZE	BODY	PRESSURE RATING	SEAT/ SEALS	PRODUCT DESCRIPTION	STANDARD / METHOD
MODEL GA1RAAA8RN GATE VALVE BBOSY RF 150LB	1 1/2" (40NB)	CARBON STEEL	ANSI CLASS 150	METAL/ GRAPHITE	40NB (1 1/2") CLASS 150 GATE VALVE GRAPHITE PACKING	CYCLING PROCEDURE AS PER ISO 15848-1, 2 nd EDITION, ENDURANCE CLASS CO1 TIGHTNESS CLASS 'B' LEAKAGE CLASS 'BM', RT TEMPERATURE CLASS
MODEL P47LXUF	6" (150NB)	ASTM A351 CF8 STEEL	ANSI CLASS 150	METAL/ GRAPHITE	6" CLASS 150 RF GATE VALVE (GRAPHITE PACKING) C/W APV-DIAMOND GEAR 107B GEARBOX	CYCLING PROCEDURE AS PER ISO 15848-1, 2 nd EDITION, ENDURANCE CLASS CO2 TIGHTNESS CLASS 'B' LEAKAGE CLASS 'BH', RT TEMPERATURE CLASS

Laboratory Information

Name:	Yarmouth Research and Technology, LLC
Address:	434 Walnut Hill Road North Yarmouth, ME 04097 USA
Tester:	Matthew Wasielewski, PE info@yarmouthresearch.com www.yarmouthresearch.com (207) 829-5359




VALVE AND ACTUATOR ENDURANCE CYCLE TEST CERTIFICATE

Name of Manufacturer: **Australian Pipeline Valve**

Test Start Date: **February 2018**

DESIGNATION TESTED	SIZE	BODY	PRESSURE RATING	SEAT/ SEALS	PRODUCT DESCRIPTION	STANDARD / METHOD
MODEL BVF100-FTBA2523AACEB BALL VALVE C/W GP SERIES (GP25S-350 SR5.5-STC) TORQTURN ACTUATOR	12" (300NB)	A105N CARBON STEEL	ANSI CLASS 300	RPTFE/ GRAPHITE/ VITON	12" CLASS 300 RF BALL VALVE	CYCLING PROCEDURE AS PER ISO 15848-1, 2 nd EDITION, ENDURANCE CLASS CO2 TIGHTNESS CLASS 'B', LEAKAGE CLASS 'BH', RT TEMPERATURE CLASS, WITH ADDITIONAL 100 MECHANICAL CYCLES PERFORMED AT 100°C WITH A TEST PRESSURE OF 300 PSIG

Laboratory Information

Name:	Yarmouth Research and Technology, LLC
Address:	434 Walnut Hill Road North Yarmouth, ME 04097 USA
Tester:	Matthew Wasielewski, PE info@yarmouthresearch.com www.yarmouthresearch.com (207) 829-5359