

VELAN INC.  
7007 COTE DE LIESSE  
MONTREAL, QC  
H4T 1G2

Customer Name : DNOW / TS & M SUPPLY  
Customer PO # : 662278836  
Design Spec : API-594  
Drawing Number : 5PL-002B89-3XB-02 Rev. A  
Tag Number(s) : NONE

Velan Order # : SO0053437  
Customer Order Pos : 40  
Quantity : 1  
Figure Number : PL14-002B89-3XB-X0001  
Description : 6"150 LG RF WCB/WCB/CoCr

Position No.: 20

NOTES :  
CRN: 0C0991.62  
RT EXAMINATION RESULTS AS PER VEL-NDT-802, REV. 2 & CATEGORY II VALVES  
PT EXAMINATION HAS BEEN PERFORMED AND ACCEPTED ON REPORT AND DISC HARDFACING  
MT EXAMINATION RESULTS AS PER VEL-NDT-801, REV. 15  
VISUAL INSPECTION HAS BEEN PERFORMED AND ACCEPTED  
HARDNESS BODY: 152 HB  
DISC MATERIAL - ASTM A216, WCB - SEATING SURFACE - STELLITE  
HINGE / STOP / RETAINER PINS - NITRONIC 60 MATERIAL  
LOW PRESSURE AIR SEAT TEST WAS PERFORMED AND ACCEPTED FOR 1 HOUR AT 80 PSIG - 480 ML/MIN

Test Standard : API-598	Dimensional Examination : ACCEPTABLE	Markings MSS SP-25: ACCEPTABLE	Visual : ACCEPTABLE
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Test Type		Shell	Packing	Seat (HP)	Seat (HP)	Backseat
Duration	(min)	60	N/A	N/A	60	N/A
Pressure	(psig)	450	N/A	N/A	325	N/A
Result		0 LEAKAGE	N/A	N/A	4CC/MIN	N/A

Supplier	Material Code	Description	CHEMICALS					MECHANICALS							
VY	VYR060H03	BODY	CARBON (C)	0.204	MANGANESE (Mn)	0.911	PHOSPHOROUS (P)	0.015	UTS (MPa)	505.00000	UTS (ksi)	73.2440	YIELD (MPa)	303.0000	
			SULFUR (S)	0.007	SILICON (Si)	0.390	COPPER (Cu)	0.002	YIELD (ksi)	43.9464	E (%)	32.5600	RA (%)	60.1800	
			NICKEL (Ni)	0.101	CHROMIUM (Cr)	0.068	MOLYBDENUM (Mo)	0.014	Heat Treatment	NORMALIZED					
			VANADIUM (V)	0.005	ALUMINIUM (Al)	0.048									
			C.E	0.38											



INSPECTION AND TEST CERTIFICATE  
EN-10204-3.1

Velan certifies that all valve(s) described above are in compliance with purchase order and specification requirements.

*Cathy O'Donnell*

CATHY O'DONNELL	30 Apr 2025		
QC Documentation Administrator	Date	Customer Representative	Date

TEST REPORT (EN-10204-2.1)

Valve Item	Specification
DISC	ASTM A216, WCB (NACE)



INSPECTION AND TEST CERTIFICATE

EN-10204-3.1

Certificate # / Rev :

76625 / 0

TAG NUMBER
NONE

<b>VEEYES ALLOYS PRIVATE LIMITED</b> 518/A&1B, SARAVANAMPATTI, THUDIVALAR ROAD, VELLAKINAR POST, COIMBATORE - 641 029, PH:0422-2669959, 2669992, FAX:0422-2669991, INDIA ISO 9001 : 2015 Effect From 19.08.2020 VS-A-LAB-06 Rev 00		<b>INSPECTION CERTIFICATE</b> As per EN 10204 3.1											
Customer: VELAN INC P. Order : P10013800		T.C. No : V7/AN2174/24 T.C. Date : 23-Oct-2024 Heat No : AN2174 Pour Date : 05-Aug-2024 Heat Code : VYR06H05											
Specification : ASTM A 216 Gr WCB-21 CASTING PROCESSED BY INDUCTION MELTING FOUNDRY IDENTIFICATION : VS													
<b>CHEMICAL COMPOSITION %</b>													
Element	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	CE	RE	Al
Minimum	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum	0.230	1.000	0.600	0.035	0.035	0.500	0.500	0.200	0.300	0.030	0.430	1.000	0.060
Actual	0.204	0.911	0.390	0.015	0.007	0.068	0.101	0.014	0.002	0.005	0.380	0.190	0.048
<b>HEAT TREATMENT : Normalizing - Heated to 920°C soaked for 6.00 hrs and air cooled Cycle No. VSA0463</b>													
<b>MECHANICAL PROPERTIES</b>													
Requirements Yield Strength Tensile Strength Mpa Kg/mm <sup>2</sup> 0.2 % Rp		Impact Test In (I) Band Test HB At 120 ° D=31 (10mm X 10mm X 55mm)		% Reduction Hardness		% Elongation GL : 50 mm In Area		Minimum 250 485 49.46 22.00 35.00 ---		Maximum --- 655 66.79 --- --- --- ---		Actual 303 505 51.50 32.56 60.18 149	
		Minimum 250 485 49.46 22.00 35.00 ---		Maximum --- 655 66.79 --- --- --- ---		Actual 303 505 51.50 32.56 60.18 149							
<b>ITEM DESCRIPTION</b>													
SL. No	Description		Drawing No.		Part No.		Qty						
1	6"150 WC LUG PRE-MACH BODY		501-06271 REV-G		501-06271-031R-PM1 / Po.S.NO:5		2						
Certificate Review by Velan Cathy O'Donnell Date 03-18-2025													
<b>APPROVED</b> By Priteshbhai Patel (#96) at 4:26 pm, Mar 17, 2025													
Remarks : Visual inspection as per MSS SP-55 Type IIIa Saltatory. The above Castings are free from Radioactive contamination. This certificate confirms to VEL-SPS-001 Q & M Rev 27 & NACE MR0175-2021 / ISO 15156-2020 / MR0103-2016. Filled Normalized and Shot blasted Rust Preventive coating Applied. We certify that during manufacturing processes, test, and inspections, the product supplied for this purchase order did not come in direct contact with mercury or any of its compounds, nor with any mercury containing device employing a single boundary of containment are acceptable statements attesting to freedom from mercurial contamination.													
We Confirm that the above material was manufactured, sampled, tested and inspected in accordance with the drawings, customer order requirements, material specification ASTM A 216 Gr WCB-21 and was found to meet the requirements.													
A. Senathipathi-Deputy Manager-QA		M. Senthil Kumar - Q.A Manager											

VS-A-QA-06 Rev 01 Effect

From 23.06.2021

Report : 1235/24-25

Date : 31-AUG-24

**VEEYES ALLOYS PRIVATE LIMITED**S.F 518/1AB, SARAVANAMPATTY, THUDYALUR ROAD, VELLAKINAR POST,  
COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail : [rt@veeyesalloys.com](mailto:rt@veeyesalloys.com)

Customer : VELAN INC  
Po No : P10013800  
Description : 6"150 WC LUG PRE-MACH BODY  
Heat No : AN2174  
Heat Code : VYR06H05  
R.T.No : VSH1167  
Date of Test : 28-AUG-24  
Screen : LEAD  
Screen Thick Front : Ir : 0.13mm Co: 0.25mm Be/Li: -  
Screen Thick Back : Ir : 0.15mm Co: 0.30mm Be/Li: -  
Area of Coverage : ASME B16.34  
Evaluation As Per : ASTM E446, E186  
Procedure Ref. : VEL-NDT-802 REV.02, ASTM E94  
Technique : SWSI  
I.Q.I Type : ASTM HOLE  
Film Brand, Type : FUJI IX100  
Stage of Test : AFTER HEATTREATMENT  
RSS Ref No : V72705 Rev-0

Sno	Location	Source	Thick (mm)	SFD (mm)	IQI				Film Size (Inch)	Findings *	Classification	Remarks	
					Designation	Sensitivity	Req. Achd.	Min Max					
1	1	CO 60	110	600	80	2-2T	2-2T	2.7	2.9	16 X 8 X 1	B	1	Acceptable
2	2	CO 60	110	600	80	2-2T	2-2T	3.1	3.2	16 X 8 X 1	A	1	Acceptable
3	P	IR 192	40	500	30	2-2T	2-2T	2.3	2.4	8 X 8 X 1	A	2	Acceptable

A : Gas Hole / Porosity ; B : Inclusion ; CA, CB, CC, CD : Shrinkage ; D : Crack ; E : Hot Tear ; F : Insert ; G : Mottling ; NSD : No Significant Defect ; ND : No Defect

Casting Acceptance Level : 2  
Ir 192 Films : 1  
Co 60 Films : 2  
Beta / Linac Area : 0

For VEEYES ALLOYS PRIVATE LIMITED


ISO 9001  
CERTIFIED  
EN ISO 9001

Customer

External Inspector



<b>VEEYES ALLOYS PRIVATE LIMITED</b> <b>RADIOGRAPHY SHOOTING SKETCH</b>		Customer :		VELAN - INC		R.S.S.No: V72705																			
		Description :		6"150 LG RF BODY SOFT		Rev : 0																			
Drg No :		501-06271 REV-G						Date : 21-Apr-24																	
Procedure : VEL-NDT-802 REV.02, ASTM E94 Acceptance: ASME B16.34 Appendix-I																									
Srl. No.	Location	Thickness mm	Design	Sensitivity	SFD (mm)	Source	Film Size L x W x Qty	No. of Expo sure	Film Position	Source Position	Technique														
1	1, 2	110	80	2-2T	600	Co-60	16 X 8 X 1	2	F1	S1	SWSI														
2	P	40	30	2-2T	500	Ir-192	8 X 8 X 1	1	F2	S2	SWSI														
<table border="1"> <tr> <td>Total No. of Films</td> <td>Ir-192</td> <td>1</td> <td>Co-60</td> <td>2</td> <td>LINAC</td> <td>-</td> </tr> <tr> <td>Total Sq. inches</td> <td>Ir-192</td> <td>64</td> <td>Co-60</td> <td>256</td> <td>LINAC</td> <td>-</td> </tr> </table>												Total No. of Films	Ir-192	1	Co-60	2	LINAC	-	Total Sq. inches	Ir-192	64	Co-60	256	LINAC	-
Total No. of Films	Ir-192	1	Co-60	2	LINAC	-																			
Total Sq. inches	Ir-192	64	Co-60	256	LINAC	-																			
Prepared By		Approved By																							
R. RANJITH SNT-TC-1A LEVEL-II RT, UT, MT, PT, VT		Customer Velan Source Inspector R. Rajkumar 2024.05.03					External Inspector																		
VS-A-QA-07 Rev.00		15:39:56 +05'30'																							
Page 1 of 1		<b>100% AREA &amp; CRITICAL AREA</b>																							

<b>VEEYES ALLOYS PRIVATE LIMITED</b> S.F 518/1AB, SARAVANAMPATTY, THUDIALUR ROAD, VELLAKINAR POST, COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail : qa@veeyesalloys.com		
<b>MAGNETIC PARTICLE TEST CERTIFICATE</b>	Date : 04-Sep-2024 Report : 23270/24 Effect From 30.05.2022 VS-AE-QA-02 Rev 01	

Customer	VELAN INC		
Material Specification	ASTM A 216 Gr WCB-21		
Surface Condition	AS CAST		
Stage Of Test	AFTER HEAT TREATMENT		
Lighting	UV Light		
Background Darkness	1 LUX		
Type Of Indicator	PIE INDICATOR		
Contrast Paint	NA		
Method	WET-FLUORESCENT		
Particle Type	Fluorescent		
Particle Application Method	BY HAND HELD BOTTLE		
Particle	MG2410	Make	MAGNAFLUX
Batch No.	22M58	Expiry Date	DEC-2027
Acceptance Standard	ASME B16.34 APPENDIX II		
Procedure Standard	VEL-NDT-801 R/15		
Residual Magnetism	0 GAUSS		
Area Tested	ALL ACCESSIBLE AREA		
Prod / Pole Spacing	2-4 INCHES		
Lifting Power	NA		
Amperes	200-400 AMPS		
Type of Current	HWDC		
Type of Magnetism	CIRCULAR		
Equipment Make & S.L.No	DHEV-2014012530		
Equipment Type	Prod Type		

Sl. No	P.O.No.	Description	Drawing No. / Part No.	Heat No.	Date of Test	Surface Temp. °C	Thick (mm)	MPI No.	Light Intensity / CM²	Bath Concentration Level
1	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4052	1170 µW / CM²	0.25 ml
2	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4056	1170 µW / CM²	0.25 ml
3	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4055	1170 µW / CM²	0.25 ml
4	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4054	1170 µW / CM²	0.25 ml
5	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4057	1170 µW / CM²	0.25 ml
6	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4053	1170 µW / CM²	0.25 ml
7	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2174	28-Aug-2024	30	32	VNB4160	1170 µW / CM²	0.25 ml
8	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 P.O.S.NO:5	AN2174	28-Aug-2024	30	32	VNB4159	1170 µW / CM²	0.25 ml

Observation : No Significant Defect  
Result : Acceptable

For VEEYES ALLOYS PRIVATE LIMITED	Tested By	MT-ASNT Level-II & ISO 9712 Level-2	Customer	External Inspector
		M.S.SENTHILKUMAR		
		Inspected By		



NON-DESTRUCTIVE TEST REPORT

CERT # 76625

CUSTOMER

DNOW CANADA

VELAN ORDER:

SO0053437

POS:

20

ITEM:

40

DESCRIPTION:

PL14-002B89-3XB-X0001 / 6" 150 DUAL PLATE WAFER CHECK VALVE

NDE PERFORMED ON:

BODY AND DISC HARDFACING

Velan hereby certifies that NDE has been performed on this material in accordance with contractual requirements as indicated (☑) and that all results conform to the acceptance standard of the referenced examination procedure, the Code and Design Specification.

TYPE OF TEST

☐ MAGNETIC PARTICLE EXAMINATION PROCEDURE

Rev.

☒ LIQUID PENETRANT EXAMINATION PROCEDURE

VEL-NDT-800 Rev. 13

Body Hardfacing - All Accessible Surfaces

Disc Hardfacing - All Accessible Surfaces

QUALIFICATION OF INSPECTOR: SNT-TC-1A, LEVEL II

INSPECTOR NAME: M. Moldovan - Insp # 101, P. Patel - Insp # 96

NOTES:

CERTIFIED BY:

Q.C. DOCUMENTATION ADMINISTRATOR

Cathy O'Donnell

DATE

April 30, 2025

# STATUTORY DECLARATION Registration of Fittings

the pressure equipment safety authority



I, Pierre Lamarre

General Manager Plant 5

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of VELAN INC.

(name of manufacturer)

located at 7007 Cote de Liesse, Montreal, QC, H4T 1G2

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act

(check one)

☒ comply with the requirements of ASME B16.34 which specifies the dimensions,

(title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or

☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to

comply with \_\_\_\_\_ as supported by the attached data which identifies the dimensions,

materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings

for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the

following authority, Regie du Batiment du Quebec as being suitable for the manufacture of these fittings to the

stated standard. The fittings covered by this declaration, for which I seek registration, are Cast and Forged Steel

In support of this application, the following information, calculations and/or test data are attached:

Forged/Cast; Gate, Globe, Needle, Check, Ball, Dual Plate, Butterfly, Knife, Capping, Cryogenic, Parallel Slide, Ring Type,

Bellows Seal, Velan Catalogs and Scope of Registration Velan Valves "Attachment A"

DECLARED before me at Montreal

in the County

of St. Laurent

this 14 day of January (Month)

(print) Salvatore Silvestro

(sign)

(A Commissioner for Oaths)

For Office Use Only

See Acceptance Letter for the comments and/or conditions of registration.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category

Registration Number: 0C0991-62

FEB 25 2016

Date Registered:

Expiry Date: 2026/01/26

(For the Administrator/Chief Inspector of Alberta)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.

Catalogue Reference List									
Catalogue No.	Catalogue Title	Gate (Forged)	All Valve Types: Specs (D)	Size Range	ASME Class Spec (G)	Type of Conn. Sect. (A)	Body Material (B6.34)	Pressure (A14.602)	API Spec (A14.602)
VEL-PRO-0001	Organic Valves	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) & Cast		NPS 2-36"	150 - 2500	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Passon Check & Ball Check (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Top Entry (TE) (Forged)		NPS 1/4-3"	150 - 600	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Split Body Type (SB) (Cast)		NPS 2-24"	150 - 600	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		High Performance Butterfly (Forged / Cast)		NPS 3-48"	150 - 300	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Gate-Bolted Bonnet / Welded Bonnet / W. B. Extended Body		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe-Bolted Bonnet / Welded Bonnet / Bonnetless / Blowoff / Blowdown		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Checks-Piston / Ball / Coverless / Swing Check / Tilting		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 25 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bonnetless "Y" Globe / Needle Valves		NPS 1/2-24"	1500 - 4500	BW, SW, FLG, Thrd.	See Page 11 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bellows Seal Hermetically Sealed "Y" Pattern Globe / Needle Valves		NPS 1/2-24"	1500 - 2500	BW, SW, FLG, Thrd.	See Page 11 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged Piston Check / Stop Check Valves c/w Welded Cover		NPS 1/4-4"	1500 - 2680 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
CAT-KSV-0001-8	Forged Steel Bonnetless "Y" Pattern	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) & Cast		NPS 2-36"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Passon Check & Ball Check (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Top Entry (TE) (Forged)		NPS 1/4-3"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Split Body Type (SB) (Cast)		NPS 2-24"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		High Performance Butterfly (Forged / Cast)		NPS 3-48"	150 - 300	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Gate-Bolted Bonnet / Welded Bonnet / W. B. Extended Body		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe-Bolted Bonnet / Welded Bonnet / Bonnetless / Blowoff / Blowdown		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Checks-Piston / Ball / Coverless / Swing Check / Tilting		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bonnetless "Y" Globe / Needle Valves		NPS 1/2-24"	1500 - 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bellows Seal Hermetically Sealed "Y" Pattern Globe / Needle Valves		NPS 1/2-24"	1500 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged Piston Check / Stop Check Valves c/w Welded Cover		NPS 1/4-4"	1500 - 2680 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
CAT-KSV-0001-8	Cast Steel Valves	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) & Cast		NPS 2-36"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Passon Check & Ball Check (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Top Entry (TE) (Forged)		NPS 1/4-3"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Split Body Type (SB) (Cast)		NPS 2-24"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		High Performance Butterfly (Forged / Cast)		NPS 3-48"	150 - 300	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Gate-Bolted Bonnet / Welded Bonnet / W. B. Extended Body		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe-Bolted Bonnet / Welded Bonnet / Bonnetless / Blowoff / Blowdown		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Checks-Piston / Ball / Coverless / Swing Check / Tilting		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bonnetless "Y" Globe / Needle Valves		NPS 1/2-24"	1500 - 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bellows Seal Hermetically Sealed "Y" Pattern Globe / Needle Valves		NPS 1/2-24"	1500 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged Piston Check / Stop Check Valves c/w Welded Cover		NPS 1/4-4"	1500 - 2680 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
CAT-KSV-0001-8	Cast Steel Valves	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) & Cast		NPS 2-36"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Passon Check & Ball Check (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Top Entry (TE) (Forged)		NPS 1/4-3"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Split Body Type (SB) (Cast)		NPS 2-24"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		High Performance Butterfly (Forged / Cast)		NPS 3-48"	150 - 300	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Gate-Bolted Bonnet / Welded Bonnet / W. B. Extended Body		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe-Bolted Bonnet / Welded Bonnet / Bonnetless / Blowoff / Blowdown		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Checks-Piston / Ball / Coverless / Swing Check / Tilting		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bonnetless "Y" Globe / Needle Valves		NPS 1/2-24"	1500 - 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bellows Seal Hermetically Sealed "Y" Pattern Globe / Needle Valves		NPS 1/2-24"	1500 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged Piston Check / Stop Check Valves c/w Welded Cover		NPS 1/4-4"	1500 - 2680 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
CAT-KSV-0001-8	Cast Steel Valves	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) & Cast		NPS 2-36"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Passon Check & Ball Check (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Top Entry (TE) (Forged)		NPS 1/4-3"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Split Body Type (SB) (Cast)		NPS 2-24"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		High Performance Butterfly (Forged / Cast)		NPS 3-48"	150 - 300	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Gate-Bolted Bonnet / Welded Bonnet / W. B. Extended Body		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe-Bolted Bonnet / Welded Bonnet / Bonnetless / Blowoff / Blowdown		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Checks-Piston / Ball / Coverless / Swing Check / Tilting		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bonnetless "Y" Globe / Needle Valves		NPS 1/2-24"	1500 - 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bellows Seal Hermetically Sealed "Y" Pattern Globe / Needle Valves		NPS 1/2-24"	1500 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged Piston Check / Stop Check Valves c/w Welded Cover		NPS 1/4-4"	1500 - 2680 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
CAT-KSV-0001-8	Cast Steel Valves	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) & Cast		NPS 2-36"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Passon Check & Ball Check (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Top Entry (TE) (Forged)		NPS 1/4-3"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Split Body Type (SB) (Cast)		NPS 2-24"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		High Performance Butterfly (Forged / Cast)		NPS 3-48"	150 - 300	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Gate-Bolted Bonnet / Welded Bonnet / W. B. Extended Body		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe-Bolted Bonnet / Welded Bonnet / Bonnetless / Blowoff / Blowdown		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Checks-Piston / Ball / Coverless / Swing Check / Tilting		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bonnetless "Y" Globe / Needle Valves		NPS 1/2-24"	1500 - 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bellows Seal Hermetically Sealed "Y" Pattern Globe / Needle Valves		NPS 1/2-24"	1500 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged Piston Check / Stop Check Valves c/w Welded Cover		NPS 1/4-4"	1500 - 2680 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
CAT-KSV-0001-8	Cast Steel Valves	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) & Cast		NPS 2-36"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Passon Check & Ball Check (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Top Entry (TE) (Forged)		NPS 1/4-3"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Ball Split Body Type (SB) (Cast)		NPS 2-24"	150 - 600	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		High Performance Butterfly (Forged / Cast)		NPS 3-48"	150 - 300	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Gate-Bolted Bonnet / Welded Bonnet / W. B. Extended Body		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe-Bolted Bonnet / Welded Bonnet / Bonnetless / Blowoff / Blowdown		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Checks-Piston / Ball / Coverless / Swing Check / Tilting		NPS 1/4-4"	150 - 400	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bonnetless "Y" Globe / Needle Valves		NPS 1/2-24"	1500 - 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged One-Piece Bellows Seal Hermetically Sealed "Y" Pattern Globe / Needle Valves		NPS 1/2-24"	1500 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Forged Piston Check / Stop Check Valves c/w Welded Cover		NPS 1/4-4"	1500 - 2680 4500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
CAT-KSV-0001-8	Cast Steel Valves	Gate (Forged)		NPS 1/2-24"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-48"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 1/4-6"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Globe (Cast)		NPS 2-16"	150 - 2500	BW, SW, FLG, Thrd.	See Page 35 (F) (**)	B16.34, API-594	B16.34, API-594
		Swing Check (Forged) &							

NOTES:  
5cdv Material ("")  
only per 816.34.

[illegible]

Flanged valves sizes are limited to flange sizes of ASME B16.5 and B16.47.

Flanged valves sizes are limited to flange sizes of ASME B16.5 and B16.47.

20:3500605863 HT:VYR05H05

INSPECTION AND TEST CERTIFICATE

EN-10204-3.1

VELAN INC.  
7007 COTE DE LIESSE  
MONTREAL, QC  
H4T 1G2

Customer Name : DNOW / TS & M SUPPLY

Customer PO # : 662278836

Design Spec : API-594

Drawing Number : 5PL-002B89-3XB-02 Rev. A

Tag Number(s) : SEE ATTACHED

Velan Order # : SO0053437

Customer Order Pos : 30

Quantity : 1

Figure Number : PL14-002B89-3XB-X0001

Description : 6"150 LG RF WCB/WCB/CoCr

Position No.: 15

Customer PO4510367496

spm LVCR1392

NOTES : CRN: 0C0991.62

RT EXAMINATION RESULTS AS VEL-NDT-802, REV 2 & CATEGORY II VALVES

PT EXAMINATION HAS BEEN PERFORMED AND ACCEPTED ON BODY AND DISC HARDFACING

MT EXAMINATION RESULTS AS PER VEL-NDT-801, REV 15

VISUL INSEPCION HAS BEEN PERFORMED AND ACCEPTED

HARDNESS BODY: 148 HB

DISC MATERIAL ASTM A216, WCB - SEATING SURFACE - STEELLITE

HINGE - STOP - RETAINER PINS - NITRONIC 60

LOW PRESSURE AIR SEAT TEST WAS PERFORMED FOR 1 HOUR AT 80 PSIG - 480ML/MIN LEAKAGE

Test Standard : API-598	Dimensional Examination : ACCEPTABLE	Markings MSS SP-25: ACCEPTABLE	Visual : ACCEPTABLE
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Test Type		Shell	Packing	Seat (HP)	Seat (LP)	Backseat
Duration	(min)	60	N/A	N/A	60	N/A
Pressure	(psig)	450	N/A	N/A	325	N/A
Result		0 LEAKAGE	N/A	N/A	6CC/MIN	N/A

Supplier	Part Number	Actua Code	Description	CHEMICALS				MECHANICALS							
VY	VYR05H05	A216-21-WCB-5	BODY	CARBON (C)	0.202	MANGANESE (Mn)	0.904	PHOSPHOROUS (P)	0.016	UTS (MPa)	515.0000	UTS (ksi)	74.6944	YIELD (MPa)	318.0000
				SULFUR (S)	0.008	SILICON (Si)	0.416	COPPER (Cu)	0.001	YIELD (ksi)	46.1220	E ( % )	35.1000	RA ( % )	60.9000
				NICKEL (Ni)	0.120	CHROMIUM (Cr)	0.097	MOLYBDENUM (Mo)	0.018	Heat Treatment					
				VANADIUM (V)	0.004	ALUMINIUM (Al)	0.044	NORMALIZED							
				C.E	0.38										



INSPECTION AND TEST CERTIFICATE

EN-10204-3.1

Velan certifies that all valve(s) described above are in compliance with purchase order and specification requirements.

*Cathy O'Donnell*

CATHY O'DONNELL

29 Apr 2025

QC Documentation Administrator

Date

Customer Representative

Date

TEST REPORT (EN-10204-2.1)

Valve Item

Specification

DISC

ASTM A216, WCB (NACE)



INSPECTION AND TEST CERTIFICATE

EN-10204-3.1

TAG NUMBER

LVCRI392

## NON-DESTRUCTIVE TEST REPORT

CERT # 76605

**CUSTOMER** DNOW CANADA

**VELAN ORDER:** SO0053437 **POS:** 15 **ITEM:** 30

**DESCRIPTION:** PL14-002B89-3XB-X0001 / 6" 150 DUAL PLATE WAFER CHECK VALVE

**NDE PERFORMED ON:** BODY AND DISC HARDFACING

Velan hereby certifies that NDE has been performed on this material in accordance with contractual requirements as indicated (☒) and that all results conform to the acceptance standard of the referenced examination procedure, the Code and Design Specification.

### TYPE OF TEST

☐ MAGNETIC PARTICLE EXAMINATION PROCEDURE

Rev.

☒ LIQUID PENETRANT EXAMINATION PROCEDURE

VEL-NDT-800 Rev. 13

Body Hardfacing - All Accessible Surfaces

Disc Hardfacing - All Accessible Surfaces

**QUALIFICATION OF INSPECTOR:** SNT-TC-1A, LEVEL II

**INSPECTOR NAME:** M. Moldovan - Insp # 101, P. Patel - Insp # 96


**NOTES:**

**CERTIFIED BY:**

Cathy O'Donnell  
Q.C. DOCUMENTATION ADMINISTRATOR

April 29, 2025

**DATE**

	<b>VEEYES ALLOYS PRIVATE LIMITED</b> S.F 518/1AB, SARAVANAMPATTY, THUDIYALUR ROAD, VELLAKINAR POST, COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail : qa@veeyesalloys.com	VS-AE-QA-02 Rev 01 Effect From 30.05.2022
	<b>MAGNETIC PARTICLE TEST CERTIFICATE</b>	Report : <b>23270/24</b> Date : 04-Sep-2024

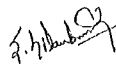

Customer	: VELAN INC	Equipment Type	: Prod Type
Material Specification	: ASTM A 216 Gr WCB-21	Equipment Make & SL.No	: DHEV-2014012530
Surface Condition	: AS CAST	Type of Magnetism	: CIRCULAR
Stage Of Test	: AFTER HEAT TREATMENT	Type of Current	: HWDC
Lighting	: UV Light	Amperes	: 200-400 AMPS
Background Darkness	: 1 LUX	Lifting Power	: NA
Type Of Indicator	: PIE INDICATOR	Prod / Pole Spacing	: 2-4 INCHES
Contrast Paint	: NA	Area Tested	: ALL ACCESSIBLE AREA
Method	: WET- FLUORESCENT	Residual Magnetism	: 0 GAUSS
Particle Type	: Fluorescent	Procedure Standard	: VEL-NDT- 801 R/15
Particle Application Method	: BY HAND HELD BOTTLE	Acceptance Standard	: ASME B16.34 APPENDIX II

Particle	Make	Batch No.	Expiry Date
MG2410	MAGNAFLUX	22M58	DEC-2027

Sl. No	P.O.No. & Date	Description	Drawing No. / Part No.	Heat No.	Date of Test	Surface Temp. °C	Thick (mm) Above	MPI No.	Light Intensity	Bath Concentration Level
1	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4052	1170 µW / CM²	0.25 ml
2	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4056	1170 µW / CM²	0.25 ml
3	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4055	1170 µW / CM²	0.25 ml
4	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4054	1170 µW / CM²	0.25 ml
5	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4057	1170 µW / CM²	0.25 ml
6	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2173	28-Aug-2024	30	32	VNB4053	1170 µW / CM²	0.25 ml
7	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2174	28-Aug-2024	30	32	VNB4160	1170 µW / CM²	0.25 ml
8	P10013800	6"150 WC LUG PRE-MACH BODY	501-06271 REV-G 501-06271-031R-PM1 Po.S.NO:5	AN2174	28-Aug-2024	30	32	VNB4159	1170 µW / CM²	0.25 ml

Observation : No Significant Defect

Result : Acceptable

For VEEYES ALLOYS PRIVATE LIMITED  <b>E.SILAMBARASAN</b> MT-ASNT Level-II & ISO 9712 Level-2 Tested By	For VEEYES ALLOYS PRIVATE LIMITED  <b>M.SENTHILKUMAR</b> MT-ASNT Level -II & ISO 9712 Level-2 Inspected By	Customer	External Inspector
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**VEEYES****VEEYES ALLOYS PRIVATE LIMITED**S.F 518/1AB, SARAVANAMPATTY, THUDIYALUR ROAD, VELLAKINAR POST,  
COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail :rt@veeyesalloys.comVS-A-QA-06 Rev 01 Effect  
From 23.06.2021Report : **1232/24-25**

Date : 31-AUG-24

**RADIOGRAPHIC EVALUATION REPORT**


Customer : VELAN INC  
 Po No : P10013800  
 Description : 6"150 WC LUG PRE-MACH BODY  
 Material Spec : WCB  
 Drawing No : 501-06271 REV-G  
 Part No : 501-06271-031R-PM1 / Po.S.NO:5  
 Source Strength : Ir : 46.9 Ci Co: 60 Ci Be/Li : -  
 Source Size : Ir : 2.0 X 1.0 mm Co: 3.8 X 4.9 mm  
 : Be / Li :-  
 Technique : SWSI  
 I.Q.I Type : ASTM HOLE  
 Film Brand, Type : FUJI IX100  
 Stage of Test : AFTER HEATTREATMENT  
 RSS Ref No : V72705 Rev-0  
 Heat No : AN2173  
 Heat Code : VYR05H05  
 R.T.No : VSH1162  
 Date of Test : 28-AUG-24  
 Screen : LEAD  
 Screen Thick Front : Ir : 0.13mm Co: 0.25mm Be/Li: -  
 Screen Thick Back : Ir : 0.15mm Co: 0.30mm Be/Li: -  
 Area of Coverage : ASME B16.34  
 Evaluation As Per : ASTM E446, E186  
 Procedure Ref. : VEL-NDT-802 REV.02, ASTM E94  
 Acceptance STD : ASME B16.34 Appendix-I

Sno	Location	Source	Thick (mm)	SFD (mm)	IQI				Density		Film Size (Inch)	Findings *	Classifi - cation	Remarks
					Designation		Sensitivity		Min	Max				
					Source	Film	Req.	Achd.						
1	1	CO 60	110	600	80		2-2T	2-2T	2.8	2.9	16 X 8 X 1	B	1	Acceptable
2	2	CO 60	110	600	80		2-2T	2-2T	2.9	3.5	16 X 8 X 1	B	1	Acceptable
3	P	IR 192	40	500	30		2-2T	2-2T	2.7	2.8	8 X 8 X 1	A	1	Acceptable

\*A : Gas Hole / Porosity ; B : Inclusion ; CA, CB, CC, CD : Shrinkage ; D : Crack; E: Hot Tear; F: Insert; G - Mottling, NSD : No Significant Defect , ND : No Defect


Casting Acceptance Level : 1  
 Ir 192 Films : 1  
 Ir 192 Area : 64  
 Co 60 Films : 2  
 Co 60 Area : 256  
 Beta / Linac Films : 0  
 Beta / Linac Area : 0

For VEEYES ALLOYS PRIVATE LIMITED

  
 RT-MOOL  
 RT-TC-1A LEVEL  
 RT-UT-MT-PT-V  
 EN ISO-9712  
 VEL-2 RT

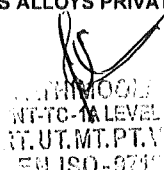
Customer

External Inspector

	<b>VEEYES ALLOYS PRIVATE LIMITED</b> S.F 518/1AB, SARAVANAMPATTY, THUDIYALUR ROAD, VELLAKINAR POST, COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail :rt@veeyesalloys.com										VS-A-QA-06 Rev 01 Effect From 23.06.2021	
	<b>RADIOGRAPHIC EVALUATION REPORT</b>										Report : <b>1233/24-25</b> Date : 31-AUG-24	
	Customer : VELAN INC Po No : P10013800 Description : 6"150 WC LUG PRE-MACH BODY Material Spec : WCB Drawing No : 501-06271 REV-G Part No : 501-06271-031R-PM1 / Po.S.NO:5 Source Strength : Ir : 46.9 Ci Co: 60 Ci Be/Li : - Source Size : Ir : 2.0 X 1.0 mm Co: 3.8 X 4.9 mm : Be / Li :- Technique : SWSI I.Q.I Type : ASTM HOLE Film Brand, Type : FUJI IX100 Stage of Test : AFTER HEATTREATMENT RSS Ref No : V2705 Rev-0 Heat No : AN2173 Heat Code : VYR05H05 R.T.No : VSH1163 Date of Test : 28-AUG-24 Screen : LEAD Screen Thick Front : Ir : 0.13mm Co: 0.25mm Be/Li: - Screen Thick Back : Ir : 0.15mm Co: 0.30mm Be/Li: - Area of Coverage : ASME B16.34 Evaluation As Per : ASTM E446, E186 Procedure Ref. : VEL-NDT-802 REV.02, ASTM E94 Acceptance STD : ASME B16.34 Appendix-I											

Sno	Location	Source	Thick (mm)	SFD (mm)	IQI				Density		Film Size (Inch)	Findings *	Classifi- cation	Remarks
					Designation		Sensitivity		Min	Max				
					Source	Film	Req.	Achd.						
1	1	CO 60	110	600	80		2-2T	2-2T	2.7	3.2	16 X 8 X 1	B	1	Acceptable
2	2	CO 60	110	600	80		2-2T	2-2T	2.9	3.4	16 X 8 X 1	B	1	Acceptable
3	P	IR 192	40	500	30		2-2T	2-2T	2.8	2.9	8 X 8 X 1	A	1	Acceptable

*A : Gas Hole / Porosity ; B : Inclusion ; CA, CB, CC, CD : Shrinkage ; D : Crack; E: Hot Tear; F: Insert; G - Mottling, NSD : No Significant Defect , ND : No Defect			
Casting Acceptance Level : 1 Ir 192 Films : 1 Ir 192 Area : 64	Co 60 Films : 2 Co 60 Area : 256	Beta / Linac Films : 0 Beta / Linac Area : 0	

For VEEYES ALLOYS PRIVATE LIMITED  V.UT.MT.P.T.V. EN ISO-9712 2012-2017	Customer	External Inspector
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# VEEYES ALLOYS PRIVATE LIMITED

S.F 518/1AB, SARAVANAMPATTY, THUDIYALUR ROAD, VELLAKINAR POST,  
COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail :rt@veeyesalloys.com

VS-A-QA-06 Rev 01 Effect  
From 23.06.2021

Report : **1260/24-25**

Date : 03-SEP-24

## RADIOGRAPHIC EVALUATION REPORT

Customer : VELAN INC  
Po No : P10013800  
Description : 6"150 WC LUG PRE-MACH BODY  
Material Spec : WCB  
Drawing No : 501-06271 REV-G  
Part No : 501-06271-031R-PM1 / Po.S.NO:5  
Source Strength : Ir : 46 Ci Co: 60 Ci Be/Li : -  
Source Size : Ir : 2.0 X 1.0 mm Co: 3.8 X 4.9 mm  
Be / Li :-  
Technique : SWSI  
I.Q.I Type : ASTM HOLE  
Film Brand, Type : FUJI IX100  
Stage of Test : AFTER HEATTREATMENT  
RSS Ref No : V72705 Rev.0  
Heat No : AN2173  
Heat Code : VYR05H05  
R.T.No : VSH1165  
Date of Test : 28-AUG-24  
Screen : LEAD  
Screen Thick Front : Ir : 0.13mm Co: 0.25mm Be/Li : -  
Screen Thick Back : Ir : 0.15mm Co: 0.30mm Be/Li : -  
Area of Coverage : ASME B16.34  
Evaluation As Per : ASTM E446, E186  
Procedure Ref. : VEL-NDT-802 REV.02, ASTM E94  
Acceptance STD : ASME B16.34 Appendix-I

Sno	Location	Source	Thick (mm)	SFD (mm)	IQI				Density		Film Size (Inch)	Findings *	Classifi - cation	Remarks
					Designation		Sensitivity		Min	Max				
					Source	Film	Req.	Achd.						
1	1	CO 60	110	600	80		2-2T	2-2T	2.9	3.0	16 X 8 X 1	A	1	Acceptable
2	2	CO 60	110	600	80		2-2T	2-2T	2.7	2.9	16 X 8 X 1	B	1	Acceptable
3	P	IR 192	40	500	30		2-2T	2-2T	2.7	2.8	8 X 8 X 1	A	1	Acceptable

\*A : Gas Hole / Porosity ; B : Inclusion ; CA, CB, CC, CD : Shrinkage ; D : Crack; E : Hot Tear; F : Insert; G - Mottling, NSD : No Significant Defect , ND : No Defect

Casting Acceptance Level : 1 Ir 192 Films : 1 Co 60 Films : 2 Beta / Linac Films : 0  
Ir 192 Area : 64 Co 60 Area : 256 Beta / Linac Area : 0

For VEEYES ALLOYS PRIVATE LIMITED

VEEYES ALLOYS PRIVATE LIMITED  
NT-TC-M LEVEL  
RT-UT-MT-PT-V  
EN ISO-9712  
LEVEL-2 RT

Customer

External Inspector



# VEEYES ALLOYS PRIVATE LIMITED

S.F 518/1AB, SARAVANAMPATTY, THUDIYALUR ROAD, VELLAKINAR POST,  
COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail : rt@veeyesalloys.com

VS-A-QA-06 Rev 01 Effect  
From 23.06.2021

Report : **1258/24-25**

Date : 03-SEP-24

## RADIOGRAPHIC EVALUATION REPORT

Customer : VELAN INC  
Po No : P10013800  
Description : 6"150 WC LUG PRE-MACH BODY

Material Spec : WCB  
Drawing No : 501-06271 REV-G  
Part No : 501-06271-031R-PM1 / Po.S.NO:5

Source Strength : Ir : 46 Ci Co: 60 Ci Be/Li : -  
Source Size : Ir : 2.0 X 1.0 mm Co: 3.8 X 4.9 mm  
Be / Li :-

Technique : SWSI  
I.Q.I Type : ASTM HOLE  
Film Brand, Type : FUJI IX100  
Stage of Test : AFTER HEATTREATMENT  
RSS Ref No : V72705 Rev.0

Heat No : AN2173  
Heat Code : VYR05H05  
R.T.No : VSH1164  
Date of Test : 28-AUG-24  
Screen : LEAD

Screen Thick Front : Ir: 0.13mm Co: 0.25mm Be/Li: -  
Screen Thick Back : Ir: 0.15mm Co: 0.30mm Be/Li: -  
Area of Coverage : ASME B16.34  
Evaluation As Per : ASTM E446, E186  
Procedure Ref. : VEL-NDT-802 REV.02, ASTM E94

Acceptance STD : ASME B16.34 Appendix-I

Sno	Location	Source	Thick (mm)	SFD (mm)	IQI				Density		Film Size (Inch)	Findings *	Classifi - cation	Remarks
					Designation		Sensitivity		Min	Max				
					Source	Film	Req.	Achd.						
1	1	CO 60	110	600	80		2-2T	2-2T	3.1	3.2	16 X 8 X 1	B	1	Acceptable
2	2	CO 60	110	600	80		2-2T	2-2T	3.1	3.3	16 X 8 X 1	A	1	Acceptable
3	P	IR 192	40	500	30		2-2T	2-2T	2.7	2.8	8 X 8 X 1	B	1	Acceptable

\*A : Gas Hole / Porosity ; B : Inclusion ; CA, CB, CC, CD : Shrinkage ; D : Crack ; E : Hot Tear ; F : Insert ; G : Mottling, NSD : No Significant Defect, ND : No Defect

Casting Acceptance Level : 1

Ir 192 Films : 1  
Ir 192 Area : 64

Co 60 Films : 2  
Co 60 Area : 256

Beta / Linac Films : 0  
Beta / Linac Area : 0

For VEEYES ALLOYS PRIVATE LIMITED

RT-TC-1A LEVEL  
RT, UT, MT, PT, V  
EN ISO-9712  
VEL-2 RT

Customer

External Inspector



# VEEYES ALLOYS PRIVATE LIMITED

S.F 518/1AB, SARAVANAMPATTY, THUDIYALUR ROAD, VELLAKINAR POST,  
COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail :rt@veeyesalloys.com

VS-A-QA-06 Rev 01 Effect  
From 23.06.2021

Report : **1259/24-25**

Date : 03-SEP-24

## RADIOGRAPHIC EVALUATION REPORT

Customer : VELAN INC  
Po No : P10013800  
Description : 6"150 WC LUG PRE-MACH BODY  
Material Spec : WCB  
Drawing No : 501-06271 REV-G  
Part No : 501-06271-031R-PM1 / Po.S.NO:5  
Source Strength : Ir : 46 Ci Co: 60 Ci Be/Li : -  
Source Size : Ir : 2.0 X 1.0 mm Co: 3.8 X 4.9 mm  
Be / Li :-  
Technique : SWSI  
I.Q.I Type : ASTM HOLE  
Film Brand, Type : FUJI IX100  
Stage of Test : AFTER HEATTREATMENT  
RSS Ref No : V72705 Rev.0  
Heat No : AN2173  
Heat Code : VYR05H05  
R.T.No : VSH1161  
Date of Test : 28-AUG-24  
Screen : LEAD  
Screen Thick Front : Ir : 0.13mm Co: 0.25mm Be/Li : -  
Screen Thick Back : Ir : 0.15mm Co: 0.30mm Be/Li : -  
Area of Coverage : ASME B16.34  
Evaluation As Per : ASTM E446, E186  
Procédure Ref. : VEL-NDT-802 REV.02, ASTM E94  
Acceptance STD : ASME B16.34 Appendix-I

Sno	Location	Source	Thick (mm)	SFD (mm)	IQI				Density		Film Size (Inch)	Findings *	Classifi - cation	Remarks
					Designation		Sensitivity		Min	Max				
					Source	Film	Req.	Achd.						
1	1	CO 60	110	600	80		2-2T	2-2T	2.9	3.1	16 X 8 X 1	NSD	-	Acceptable
2	2	CO 60	110	600	80		2-2T	2-2T	3.1	3.3	16 X 8 X 1	A	1	Acceptable
3	P	IR 192	40	500	30		2-2T	2-2T	2.9	3.0	8 X 8 X 1	A,B	1,1	Acceptable

\*A : Gas Hole / Porosity ; B : Inclusion ; CA, CB, CC, CD : Shrinkage ; D : Crack; E: Hot Tear; F: Insert; G - Mottling, NSD : No Significant Defect , ND : No Defect

Casting Acceptance Level : 1,1

Ir 192 Films : 1  
Ir 192 Area : 64

Co 60 Films : 2  
Co 60 Area : 256

Beta / Linac Films : 0  
Beta / Linac Area : 0

For VEEYES ALLOYS PRIVATE LIMITED

MT-TC-1A LEVEL  
UT, MT, PT, V  
EN ISO-9712  
2013

Customer

External Inspector

**VEEYES****VEEYES ALLOYS PRIVATE LIMITED**S.F 518/1AB, SARAVANAMPATTY, THUDIYALUR ROAD, VELLAKINAR POST,  
COIMBATORE, Pin code : 641029, TAMILNADU, INDIA, Mail :rt@veeyesalloys.comVS-A-QA-06 Rev 01 Effect  
From 23.06.2021Report : **1257/24-25**

Date : 03-SEP-24

**RADIOGRAPHIC EVALUATION REPORT**

Customer : VELAN INC  
 Po No : P10013800  
 Description : 6"150 WC LUG PRE-MACH BODY  
 Material Spec : WCB  
 Drawing.No : 501-06271 REV-G  
 Part No : 501-06271-031R-PM1 / Po.S.NO:5  
 Source Strength : Ir : 46 Ci Co: 60 Ci Be/Li : -  
 Source Size : Ir : 2.0 X 1.0 mm Co: 3.8 X 4.9 mm  
 : Be / Li : -  
 Technique : SWSI  
 I.Q.I Type : ASTM HOLE  
 Film Brand, Type : FUJI IX100  
 Stage of Test : AFTER HEATTREATMENT  
 RSS Ref No : V72705 Rev.0  
 Heat No : AN2173  
 Heat Code : VYR05H05  
 R.T.No : VSH1160  
 Date of Test : 28-AUG-24  
 Screen : LEAD  
 Screen Thick Front : Ir : 0.13mm Co: 0.25mm Be/Li : -  
 Screen Thick Back : Ir : 0.15mm Co: 0.30mm Be/Li : -  
 Area of Coverage : ASME B16.34  
 Evaluation As Per : ASTM E446, E186  
 Procedure Ref. : VEL-NDT-802 REV.02, ASTM E94  
 Acceptance STD : ASME B16.34 Appendix-I

Sno	Location	Source	Thick (mm)	SFD (mm)	IQI				Density		Film Size (Inch)	Findings *	Classifi- cation	Remarks
					Designation		Sensitivity		Min	Max				
					Source	Film	Req.	Achd.						
1	1	CO 60	110	600	80		2-2T	2-2T	3.2	3.3	16 X 8 X 1	NSD	-	Acceptable
2	2	CO 60	110	600	80		2-2T	2-2T	2.9	3.1	16 X 8 X 1	A	1	Acceptable
3	P	IR 192	40	500	30		2-2T	2-2T	2.9	3.0	8 X 8 X 1	A,CA	1,1	Acceptable

\*A : Gas Hole / Porosity ; B : Inclusion ; CA, CB, CC, CD : Shrinkage ; D : Crack ; E : Hot Tear ; F : Insert ; G : Mottling, NSD : No Significant Defect, ND : No Defect

Casting Acceptance Level : 1,1

Ir 192 Films : 1

Co 60 Films : 2

Beta / Linac Films : 0

Ir 192 Area : 64

Co 60 Area : 256


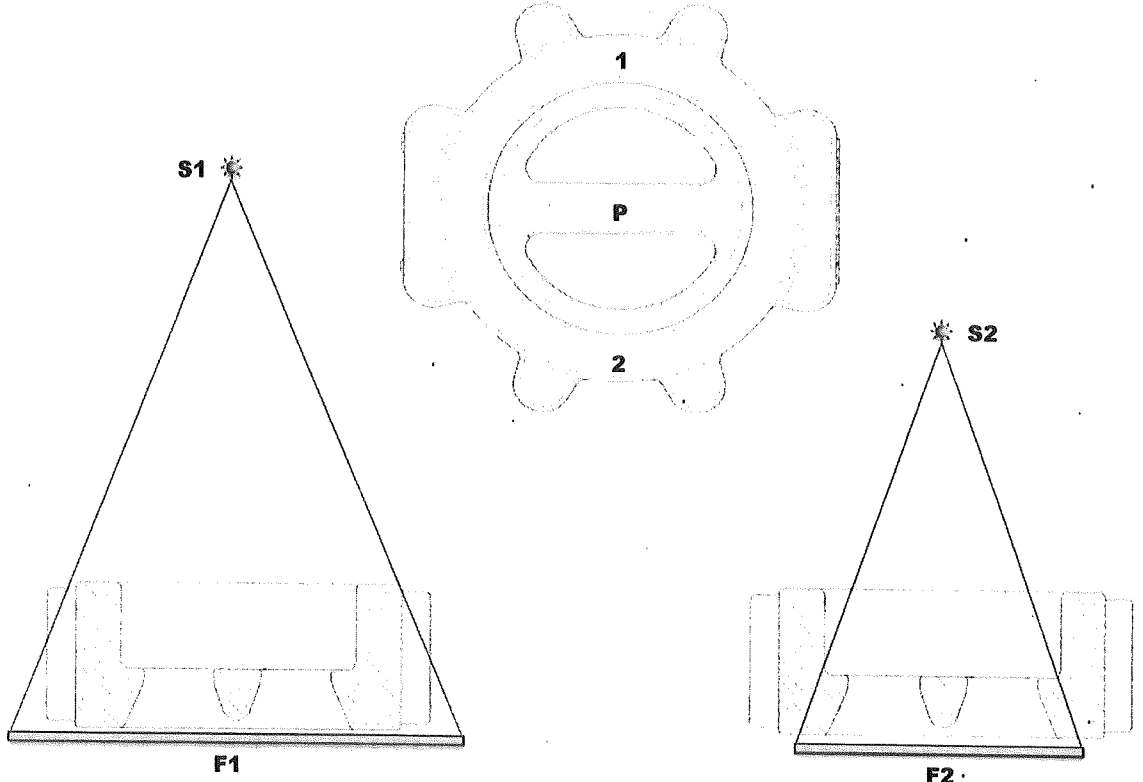
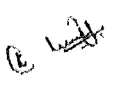
Beta / Linac Area : 0

For VEEYES ALLOYS PRIVATE LIMITED

VEEYES  
 RT-TC-1A LEVEL  
 CE,UT,MT,PT,ET  
 IN ISO-9001  
 2021-2024

Customer

External Inspector

		VEEYES ALLOYS PRIVATE LIMITED																							
		RADIOGRAPHY SHOOTING SKETCH																							
Customer	:	VELAN - INC						R.S.S.No:	V72705																
Description	:	6"150 LG RF BODY SOFT						Rev	:	0															
Drg No	:	501-06271 REV-G						Date	:	21-Apr-24															
Procedure :VEL-NDT-802 REV.02, ASTM E94					Acceptance:ASME B16.34 Appendix-I																				
																									
Srl. No.	Location	Thickness s mm	IQI		Min SFD (mm)	Source	Film Size L x W x Qty	No. of Expo sure	Film Position	Source Position	Technique														
			Design	Sensitivity																					
1	1, 2	110	80	2-2T	600	Co-60	16 X 8 X 1	2	F1	S1	SWSI														
2	P	40	30	2-2T	500	Ir-192	8 X 8 X 1	1	F2	S2	SWSI														
<table border="1"> <tr> <td>Total No. of Films</td> <td>Ir-192</td> <td>1</td> <td>Co-60</td> <td>2</td> <td>LINAC</td> <td>-</td> </tr> <tr> <td>Total Sq.Inches</td> <td>Ir-192</td> <td>64</td> <td>Co-60</td> <td>256</td> <td>LINAC</td> <td>-</td> </tr> </table>												Total No. of Films	Ir-192	1	Co-60	2	LINAC	-	Total Sq.Inches	Ir-192	64	Co-60	256	LINAC	-
Total No. of Films	Ir-192	1	Co-60	2	LINAC	-																			
Total Sq.Inches	Ir-192	64	Co-60	256	LINAC	-																			
Prepared By		Approved By						AREA OF COVERAGE																	
 R.RANJITH SNT-TC-1A LEVEL-II RT, UT, MT, PT, VT		Customer Velan Source Inspector R.Rajkumar 2024.05.03				External Inspector		100% AREA & CRITICAL AREA																	
VS-A-QA-07 Rev.00					15:39:56 +05'30'			Page 1 of 1																	

# STATUTORY DECLARATION Registration of Fittings

the pressure equipment safety authority

ABSA



I, Pierre Lamarre

General Manager Plant 5

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of VELAN INC.

(name of manufacturer)

located at 7007 Cote de Liesse, Montreal, QC, H4T 1G2

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act

(check one)

☒ comply with the requirements of ASME B16.34 which specifies the dimensions,

(title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or

☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to

comply with \_\_\_\_\_ as supported by the attached data which identifies the dimensions,

materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings

for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the

following authority, Regie du Batiment du Quebec as being suitable for the manufacture of these fittings to the

stated standard. The fittings covered by this declaration, for which I seek registration, are Cast and Forged Steel

In support of this application, the following information, calculations and/or test data are attached:

Forged/Cast: Gate, Globe, Needle, Check, Ball, Dual Plate, Butterfly, Knife, Capping, Cryogenic, Parallel Slide, Ring Type,

Belows Seal, Velan Catalogs and Scope of Registration Velan Valves "Attachment A"

DECLARED before me at Montreal

in the

County

of St. Laurent

this 14<sup>th</sup> day of January (Month)

(print) Salvatore Silvestro

(sign)

(A Commissioner for Oaths)

For Office Use Only

See Acceptance Letter for the comments

and/or conditions of registration.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category

Registration Number: 0C0991-62

FEB 25 2016

Date Registered:

Expiry Date: 2026/01/26

(For the Administrator/Chief Inspector of Alberta)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.



NOTES:  
 1. Back Matter (1)

Changed valves sizes are limited to flange sizes of ASME B16.5 and B16.47. Exotic materials which are not yet part of ASME B16.34 will not be considered in this Registration. However, should they become available at any time, then they will be automatically registered.