

RADIOGRAPHIC EXAMINATION REPORT

Customer : MICROFUSION CAST & ALLOYS, METODA	Report No. : 0298/26-27
Customer's Client :	Date : 08/04/2026
Job Description : NPS 4 (DN100) FIG-2560N #600 - BODY (WITH STEM/SEAT SEALANT)	Date of Test : 05/04/2026
Die / Tool No. : 1495-A Drq. No. :	Offer No. : 0014
Heat No. : G678 PO No. :	WAS No. :
Material : WCB	Test Carried Out At : OUR TEST LAB
Procedure Followed : ASME Sec V,Arti-2 & 22,2025	RT Coverage : ASME B16.34 CRITICAL AREA
Evaluation Standard : ASTM E-446 (Vol II),2020	Procedure No. : PS05/16 REV.5
Acceptance Standard : ASME B16.34 APPENDIX-1 2025	Shooting Sketch No. : CNS-1495-A

Radiation Source : Ir-192	Screen : LEAD 0.10mm Front , 0.10mm Back	Film Processing : MANUAL
Source Strength : 15.64 Ci	Exposure Time : VARIOUS MIN	Processing Time : MANUAL
Source Size : 2.7mmD x 1.2mmH	Film Brand & Type : FILM D7	





Sr. No.	Identification	Location	Film Size (inch)	Techq.	Thck. (mm)	Density	SFD (inch)	IQI	Sensitivity	Findings	Result
1	RT 1642	N A-B	4x12	SWSI	16	2.0 TO 4.0	8	ASTM 12/1B	S 4TW7	B - I	Acceptable
2	RT 1642	N B-C	4x12	SWSI	16	2.0 TO 4.0	8	ASTM 12/1B	S 4TW7	B - I	Acceptable
3	RT 1642	N C-D	4x12	SWSI	16	2.0 TO 4.0	8	ASTM 12/1B	S 4TW7	B - I	Acceptable
4	RT 1642	N D-A	4x12	SWSI	16	2.0 TO 4.0	8	ASTM 12/1B	S 4TW7	NSD	Acceptable
5	RT 1642	N1 A-B	6X12	SWSI	16	2.0 TO 4.0	8	ASTM 12/1B	S 4TW7	B - II	Acceptable
6	RT 1642	N1 B-C	6X7.5	SWSI	16	2.0 TO 4.0	8	ASTM 12/1B	S 4TW7	B - I	Acceptable
7	RT 1642	N1 C-D	6X12	SWSI	16	2.0 TO 4.0	8	ASTM 12/1B	S 4TW7	CB - I	Acceptable
8	RT 1642	S A-B	3X7.5	SWSI	30	2.0 TO 4.0	7	ASTM 1B	F W8	B - I	Acceptable
9	RT 1642	S B-C	3X7.5	SWSI	30	2.0 TO 4.0	7	ASTM 1B	F W8	B - I	Acceptable
10	RT 1642	S C-D	3X7.5	SWSI	30	2.0 TO 4.0	7	ASTM 1B	F W8	B - I	Acceptable
11	RT 1642	LA-B	6X6	SWSI	10	2.0 TO 4.0	12	ASTM 10	S 4T	NSD	Acceptable
12	RT 1642	LC-D	4X6	SWSI	10	2.0 TO 4.0	12	ASTM 10	S 4T	B - I	Acceptable
13	RT 1642	PA-B	8X8	SWSI	44	2.0 TO 4.0	8	ASTM 1B	S W11	B - I	Acceptable
14	RT 1642	P1 A-B	3X7.5	SWSI	32	2.0 TO 4.0	3	ASTM 1B	F W8	NSD	Acceptable
15	RT 1642	P1 B-C	3X7.5	SWSI	32	2.0 TO 4.0	3	ASTM 1B	F W8	NSD	Acceptable
16	RT 1642	P1 C-A	3X7.5	SWSI	32	2.0 TO 4.0	3	ASTM 1B	F W8	NSD	Acceptable

REVIEWED & ACCEPTED
C. Kothari
S. KUMAR .C
RT, UT, MT, PT Level - II
JC Valvulas

Total No. of Films : 16 Nos., **Total Sq. Inches** : 640.00
Film Size Summary : 4x12 - 4, 6X12 - 2, 6X7.5 - 1, 3X7.5 - 6, 6X6 - 1, 4X6 - 1, 8X8 - 1

Density of each film is measured and confirm between 2.0 to 4.0
NSD=No Significant Discontinuity, A=Gas Porosity, B=Inclusion, CA,CB,CC,CD=Shrinkage, D=Crack, E=Hot Tears, F=Insert, SD=Surface Depression, G=Mottling

- Note :**
- Report relates items tested only.
 - Test Results are in compliance with requirements and / or specifications of technique used.
 - Test Reports shall not be reproduced except full in written approval of the Laboratory.

For, Capital NDT Services	Customer Representative :	Customer's Client :	Inspection Agency :
  KAUSHIK USDAD ASNT RT-II	  CHINTAN KAVATHIA		