

Davis-Besse 14RFO Eddy Current Exam Scope			
	S/G 2-A	S/G 1-B	Total
Inspection of all new re-rolls	100	50	150
Periphery Gap Analysis * Tech Spec Requirement	379	406	785
Full length bobbin examination of all in-service non-sleeved tubes. Sleeved tubes were inspected from LTE to bottom of	14888	15220	30108
Full length bobbin examination of 33% sleeves	66	70	136
Plus Point exam of the expanded sleeve regions (both upper and lower rolls) and parent tube pressure boundary portion just below the lowest sleeve roll, extending approximately 6 inches past the sleeve of 33% of the sleeves	66	70	136
Plus Point exam of the expanded sleeve regions and parent tube pressure boundary portion just below the lowest sleeve roll, extending approximately 6 inches past the sleeve of 67% of the	133	142	275
Plus Point and Pancake inspection of non-sleeved in-service stress relieved upper tube roll expansions (79%) and Plus point and pancake coil examination of all of the non-stress-relieved tube upper roll expansions and tube ends -factory re-rolls (5 tubes) and repair rolls (114 tubes)	11604	11856	23460
Plus point and pancake coil examination of 21% of the non-sleeved in-service tubes in the upper tube sheet region from tube end including tube end and upper roll expansions to upper tube	3085	3152	6237
Plus Point and Pancake inspection of in-service stress relieved lower tube roll expansions in S/G A 33%.	4913	N/A	4913
Plus Point and Pancake inspection of in-service stress relieved lower tube roll expansions in S/G 1-B 100%.	N/A	15220	15220
Plus point and pancake coil examination of the tubes bordering the sleeve region (165 sleeves)	91	81	172
Plus point and pancake coil examination of all of the flaw-like indications reported from bobbin	600	400	1000
Plus point and pancake coil examination of all dent indications (100% sample of all previously reported and new dents using a 2.5 volt bobbin threshold)	253	205	458
Plus point and pancake coil examination of all dent indications greater than 0.5 volts between 15S and UTS in the periphery	16	8	24
Plus point and pancake coil sample inspection of lower tubesheet sludge pile region tubes	986	1120	2106
Sleeve Bobbin inspection of all previously identified gross mean distortions (42 tubes)	0	42	42
Plus Point and pancake coil inspection of 33% of the sleeve gross mean distortions and 100% of the non-sleeve gross mean	0	16	16
Plus Point inspection of 33% of the Hot Leg rolled Plugs	183	76	259
Visual Welded Plug Exam (VT-1) (0 during 14 Mid-Cycle)	33	19	52
Visual Plug exams of all Plugs in Upper and Lower	1138	474	1612
	38534	48627	87161

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Axial Indications

SG	Count	Row	Tube	Ind	Volts	TSP	Inch1	Probe	Depth	Ax Length	Deg. Mode
2-A	1	151	13	SAI	0.49	15S	2.78	520PP	40	1.30	Groove IGA
2-A	2	150	21	SAI	0.39	15S	-5.2	520PP	34	1.48	Groove IGA
2-A	3	87	122	SAI	0.34	UTE	-1.68	520PP	86	0.26	Roll Trans PWSCC
2-A	4	58	1	SAI	0.23	15S	-2.93	520PP	53	0.48	Groove IGA
2-A	5	150	17	SAI	0.18	15S	-3.74	520PP	0	0.88	Groove IGA
2-A	6	151	12	SAI	0.16	15S	2.24	520PP	0	0.46	Groove IGA
2-A	7	151	15	SAI	0.16	15S	2.64	520PP	14	0.37	Groove IGA
2-A	8	151	15	SAI	0.09	15S	3.69	520PP	32	0.22	Groove IGA
2-A	9	151	15	SAI	0.06	15S	4.7	520PP	28	0.15	Groove IGA
1-B	10	56	104	SAI	2.25	UTE	-1.48	520PP	97	0.26	Roll Trans PWSCC
1-B	11	79	57	SAI	0.50	UTE	-1.13	520PP	70	0.13	Roll Trans PWSCC
1-B	12	109	74	SAI	0.35	UTE	-1.39	520PP	68	0.16	Roll Trans PWSCC
1-B	13	141	65	MAI	0.26	15S	-0.83	520PP	41	5.15	Groove IGA
1-B	14	143	62	SAI	0.20	15S	-4.88	520PP	25	0.85	Groove IGA
1-B	15	64	1	SAI	0.18	15S	-1.03	520PP	33	0.70	Groove IGA
1-B	16	25	97	MAI	0.14	15S	-1.25	520PP	84	0.50	Groove IGA
1-B	17	63	1	SAI	0.12	15S	-1.81	520PP	31	0.13	Groove IGA
1-B	18	64	1	SAI	0.12	15S	-3.19	520PP	25	0.42	Groove IGA
1-B	19	63	1	SAI	0.08	15S	-2.12	520PP	18	0.13	Groove IGA

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Volumetric Indications (Not in Previously Rerolled Tubes)

SG	Row	Tube	Ind	Volts	TSP	Inch1	Probe	Depth	Ax Len	Circ Len	Deg. Mode
1-B	105	119	SVI	0.23	UTS	8.25	520PP	38	0.13	0.10	OD IGA in Upper TS

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New Tube End Indications (Not in Previously Rerolled Tubes)

SG	Count	Row	Tube	Ind	Volts	TSP	Inch1	Probe
1-B	1	29	66	MAA	2.05	UTE	-0.34	520PP
1-B	2	30	14	SAA	1.59	UTE	-0.29	520PP
1-B	3	35	88	SAA	1.39	UTE	-0.28	520PP
1-B	4	36	91	SAA	1.10	UTE	-0.29	520PP
1-B	5	40	104	SAA	2.08	UTE	-0.34	520PP
1-B	6	43	92	SAA	2.33	UTE	-0.27	520PP
1-B	7	43	108	SAA	1.09	UTE	-0.29	520PP
1-B	8	89	126	SAA	1.91	UTE	-0.31	520PP
2-A	9	21	49	SAA	0.77	UTE	-0.23	520PP
2-A	10	24	51	SAA	0.54	UTE	-0.30	520PP
2-A	11	26	80	SAA	1.31	UTE	-0.27	520PP
2-A	12	32	83	SAA	2.02	UTE	-0.39	520PP
2-A	13	59	1	SAA	1.41	UTE	-0.28	520PP
2-A	14	80	12	SAA	1.43	UTE	-0.28	520PP
2-A	15	85	31	SAA	1.21	UTE	-0.26	520PP
2-A	16	92	3	SAA	0.61	UTE	-0.26	520PP
2-A	17	112	87	SAA	1.63	UTE	-0.42	520PP
2-A	18	116	111	MAA	0.86	UTE	-0.32	520PP
2-A	19	125	14	SAA	1.02	UTE	-0.22	520PP

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Top 10 Wear Calls By Bobbin Depth

SG	Row	Tube	Depth	Volts	TSP	Inch1	Prev Depth
2-A	16	2	24	1.05	13S	-0.71	23
2-A	147	36	22	1.12	10S	0.70	27
1-B	67	1	21	1.08	12S	-0.02	17
2-A	146	34	19	0.88	10S	0.61	16
2-A	150	27	18	0.95	10S	-0.79	16
2-A	146	33	17	0.87	10S	0.64	18
1-B	14	74	16	0.62	12S	-0.21	14
2-A	13	1	15	0.68	13S	-0.75	9
2-A	151	15	15	0.67	13S	-0.78	11
2-A	12	1	14	0.66	13S	-0.70	19