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TULSA HEATERS, INC.

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INCREMENT RESULTS							
TUBE NO	INC L (FT)	TUBE OD(IN)	TUBE ID(IN)	AVE FLUX	FLUID MEAN T(F)	PRESS (PSIA)	WT FRAC VAPOR
1	11.09	8.625	8.125	.995E+04	733.4	42.3	.371
1	11.09	8.625	8.125	.995E+04	732.3	43.1	.368
1	11.09	8.625	8.125	.995E+04	731.2	43.9	.365
1	11.09	8.625	8.125	.995E+04	730.0	44.6	.362
1	11.09	8.625	8.125	.995E+04	728.9	45.3	.359
1	8.46	8.625	8.125	.995E+04	728.4	46.0	.357
1	8.46	8.625	8.125	.995E+04	728.5	46.5	.356
1	8.46	8.625	8.125	.995E+04	728.6	47.0	.355
1	8.46	8.625	8.125	.995E+04	728.7	47.6	.354
2	11.09	8.625	8.125	.995E+04	728.2	48.2	.352
2	11.09	8.625	8.125	.995E+04	727.0	48.8	.349
2	11.09	8.625	8.125	.995E+04	725.8	49.5	.347
2	11.09	8.625	8.125	.995E+04	724.6	50.1	.344
2	11.09	8.625	8.125	.995E+04	723.4	50.7	.341
2	8.46	8.625	8.125	.995E+04	722.9	51.3	.340
2	8.46	8.625	8.125	.995E+04	723.0	51.8	.339
2	8.46	8.625	8.125	.995E+04	723.1	52.2	.338
2	8.46	8.625	8.125	.995E+04	723.2	52.7	.337
3	18.48	8.625	8.125	.995E+04	722.2	53.4	.335
3	18.48	8.625	8.125	.995E+04	720.2	54.3	.331
3	18.48	8.625	8.125	.995E+04	718.2	55.3	.327
3	16.93	8.625	8.125	.995E+04	717.2	56.1	.324
3	16.93	8.625	8.125	.995E+04	717.4	56.9	.323
4	18.48	8.625	8.125	.995E+04	716.4	57.8	.320
4	18.48	8.625	8.125	.995E+04	714.4	58.6	.317
4	18.48	8.625	8.125	.995E+04	712.3	59.5	.313
4	16.93	8.625	8.125	.995E+04	711.3	60.2	.311
4	16.93	8.625	8.125	.995E+04	711.5	61.0	.310
5	18.48	8.625	8.125	.995E+04	710.5	61.7	.307
5	18.48	8.625	8.125	.995E+04	708.4	62.5	.304
5	18.48	8.625	8.125	.995E+04	706.3	63.2	.301
5	16.93	8.625	8.125	.995E+04	705.3	63.9	.298
5	16.93	8.625	8.125	.995E+04	705.4	64.6	.297
6	18.48	8.625	8.125	.995E+04	704.4	65.3	.295
6	18.48	8.625	8.125	.995E+04	702.3	66.0	.292
6	18.48	8.625	8.125	.995E+04	700.2	66.7	.289
6	16.93	8.625	8.125	.995E+04	699.2	67.3	.287
6	16.93	8.625	8.125	.995E+04	699.3	67.9	.286
7	18.48	8.625	8.125	.995E+04	698.3	68.6	.284
7	18.48	8.625	8.125	.995E+04	696.2	69.2	.281
7	18.48	8.625	8.125	.995E+04	694.0	69.8	.278
7	16.93	8.625	8.125	.995E+04	693.0	70.4	.276
7	16.93	8.625	8.125	.995E+04	693.1	71.0	.275
8	18.48	8.625	8.125	.995E+04	692.1	71.6	.273
8	18.48	8.625	8.125	.995E+04	689.9	72.2	.270
8	18.48	8.625	8.125	.995E+04	687.8	72.7	.267
8	16.93	8.625	8.125	.995E+04	686.7	73.3	.265
8	16.93	8.625	8.125	.995E+04	686.8	73.8	.264

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TUBE NO	INSIDE RATE	INCREMENT RESULTS						
		PEAK FILM	AVE T(F)	PEAK MTL T	DENS LIQ	DENS VAPOR	DENS MIX	ENTH
1	.3900E+03	782.2	830.7	908.5	45.10	.58	1.52	431.7
1	.3898E+03	781.1	829.6	907.4	45.10	.59	1.56	430.6
1	.3895E+03	780.0	828.4	906.3	45.10	.59	1.59	429.5
1	.3892E+03	778.9	827.3	905.2	45.10	.60	1.63	428.3
1	.3889E+03	777.8	826.2	904.0	45.10	.61	1.67	427.2
1	.3888E+03	777.3	825.7	903.5	45.09	.62	1.70	427.2
1	.3889E+03	777.4	825.8	903.7	45.08	.63	1.72	427.2
1	.3889E+03	777.5	825.9	903.8	45.06	.63	1.74	427.2
1	.3889E+03	777.6	826.0	903.9	45.05	.64	1.77	427.2
2	.1790E+03	834.4	857.4	960.7	45.05	.65	1.80	426.1
2	.1782E+03	833.7	856.4	960.0	45.05	.66	1.83	425.0
2	.1774E+03	833.0	855.5	959.3	45.04	.66	1.87	423.8
2	.1766E+03	832.3	854.6	958.6	45.04	.67	1.90	422.7
2	.1759E+03	831.6	853.7	957.8	45.04	.68	1.94	421.6
2	.1754E+03	831.3	853.3	957.6	45.04	.69	1.96	421.6
2	.1752E+03	831.5	853.4	957.8	45.03	.69	1.98	421.6
2	.1750E+03	831.8	853.6	958.0	45.02	.70	2.01	421.6
2	.1748E+03	832.0	853.8	958.3	45.01	.70	2.03	421.6
3	.1741E+03	831.5	853.1	957.7	45.00	.71	2.06	420.5
3	.1729E+03	830.2	851.4	956.4	45.00	.72	2.12	418.6
3	.1718E+03	828.9	849.8	955.1	45.00	.74	2.18	416.7
3	.1711E+03	828.4	849.1	954.7	45.00	.75	2.22	416.7
3	.1707E+03	828.8	849.4	955.0	44.98	.76	2.26	416.7
4	.1700E+03	828.3	848.7	954.6	44.97	.77	2.31	414.8
4	.1690E+03	826.9	847.1	953.2	44.97	.78	2.37	413.0
4	.1679E+03	825.6	845.4	951.8	44.97	.79	2.42	411.1
4	.1673E+03	825.0	844.6	951.3	44.97	.80	2.47	411.1
4	.1670E+03	825.3	844.9	951.6	44.95	.81	2.50	411.1
5	.1664E+03	824.8	844.1	951.1	44.94	.82	2.55	409.2
5	.1654E+03	823.4	842.4	949.7	44.95	.82	2.60	407.3
5	.1645E+03	821.9	840.7	948.2	44.95	.83	2.66	405.5
5	.1639E+03	821.4	839.9	947.6	44.94	.84	2.70	405.5
5	.1636E+03	821.6	840.1	947.9	44.93	.85	2.74	405.5
6	.1631E+03	821.1	839.4	947.3	44.92	.86	2.78	403.6
6	.1622E+03	819.6	837.6	945.9	44.92	.87	2.84	401.7
6	.1613E+03	818.1	835.9	944.4	44.93	.88	2.89	399.9
6	.1608E+03	817.5	835.1	943.8	44.92	.88	2.94	399.9
6	.1606E+03	817.7	835.3	944.0	44.91	.89	2.97	399.9
7	.1601E+03	817.1	834.5	943.4	44.90	.90	3.02	398.0
7	.1592E+03	815.6	832.7	941.9	44.91	.91	3.07	396.1
7	.1584E+03	814.1	830.9	940.3	44.91	.91	3.13	394.2
7	.1579E+03	813.4	830.0	939.7	44.91	.92	3.17	394.2
7	.1578E+03	813.6	830.2	939.9	44.89	.93	3.21	394.2
8	.1573E+03	813.0	829.4	939.3	44.89	.94	3.25	392.4
8	.1565E+03	811.5	827.6	937.7	44.89	.94	3.31	390.5
8	.1557E+03	809.9	825.8	936.2	44.90	.95	3.37	388.6
8	.1553E+03	809.2	824.9	935.5	44.89	.96	3.41	388.6
8	.1551E+03	809.4	825.1	935.7	44.88	.96	3.44	388.6

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                                INCREMENT RESULTS
TUBE  LINEAR      SONIC VELOCITY      REYNOLDS FLOW REGIME
NO    VELOCITY  THERMO  IDEAL  BCRIT  VCRIT  NO      X      Y
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1     116.2    327.7   455.4  364.7  430.4  .1397E+08 111.5  8.8
1     113.4    326.6   455.2  363.6  429.2  .1397E+08 114.1  8.6
1     110.7    325.2   455.0  362.5  428.0  .1398E+08 116.6  8.5
1     108.2    323.9   454.7  361.4  426.9  .1398E+08 119.1  8.4
1     105.9    322.6   454.5  360.3  425.7  .1399E+08 121.6  8.2
1     104.0    321.3   454.3  359.3  424.6  .1399E+08 123.5  8.1
1     102.6    320.7   454.3  358.9  424.3  .1398E+08 125.1  8.1
1     101.2    320.2   454.3  358.5  423.9  .1398E+08 126.5  8.0
1     99.9     319.7   454.4  358.2  423.6  .1397E+08 128.0  7.9
2     98.3     319.7   454.4  358.2  423.6  .1397E+08 129.9  7.9
2     96.4     319.7   454.4  358.2  423.6  .1398E+08 132.3  7.7
2     94.6     319.7   454.4  358.2  423.6  .1398E+08 134.7  7.6
2     92.9     319.7   454.4  358.2  423.6  .1399E+08 137.1  7.5
2     91.2     319.7   454.4  358.2  423.6  .1400E+08 139.4  7.4
2     89.9     319.7   454.4  358.2  423.6  .1400E+08 141.3  7.4
2     89.0     319.7   454.4  358.2  423.6  .1399E+08 142.6  7.3
2     88.0     319.7   454.4  358.2  423.6  .1399E+08 144.0  7.3
2     87.1     319.7   454.4  358.2  423.6  .1399E+08 145.3  7.2
3     85.5     311.4   453.3  351.6  416.9  .1399E+08 147.9  7.1
3     83.2     309.3   453.0  350.0  415.2  .1400E+08 151.7  7.0
3     81.1     307.4   452.6  348.4  413.5  .1402E+08 155.6  6.9
3     79.3     305.8   452.2  346.8  411.8  .1402E+08 158.8  6.8
3     78.0     305.0   452.2  346.3  411.4  .1401E+08 161.3  6.7
4     76.4     305.0   452.2  346.3  411.4  .1402E+08 164.5  6.6
4     74.6     305.0   452.2  346.3  411.4  .1403E+08 168.2  6.5
4     72.9     305.0   452.2  346.3  411.4  .1405E+08 172.0  6.4
4     71.6     305.0   452.2  346.3  411.4  .1405E+08 175.1  6.3
4     70.5     305.0   452.2  346.3  411.4  .1404E+08 177.5  6.2
5     69.3     305.0   452.2  346.3  411.4  .1405E+08 180.6  6.1
5     67.8     305.0   452.2  346.3  411.4  .1406E+08 184.3  6.0
5     66.4     305.0   452.2  346.3  411.4  .1408E+08 188.1  5.9
5     65.3     305.0   452.2  346.3  411.4  .1408E+08 191.2  5.9
5     64.5     305.0   452.2  346.3  411.4  .1408E+08 193.5  5.8
6     63.4     305.0   452.2  346.3  411.4  .1408E+08 196.5  5.7
6     62.2     305.0   452.2  346.3  411.4  .1410E+08 200.4  5.6
6     61.0     305.0   452.2  346.3  411.4  .1412E+08 204.2  5.6
6     60.1     305.0   452.2  346.3  411.4  .1412E+08 207.2  5.5
6     59.4     305.0   452.2  346.3  411.4  .1412E+08 209.5  5.4
7     58.5     305.0   452.2  346.3  411.4  .1412E+08 212.5  5.4
7     57.4     305.0   452.2  346.3  411.4  .1414E+08 216.4  5.3
7     56.4     305.0   452.2  346.3  411.4  .1416E+08 220.4  5.2
7     55.6     305.0   452.2  346.3  411.4  .1416E+08 223.4  5.2
7     55.1     305.0   452.2  346.3  411.4  .1416E+08 225.6  5.1
8     54.3     305.0   452.2  346.3  411.4  .1417E+08 228.7  5.1
8     53.4     305.0   452.2  346.3  411.4  .1418E+08 232.7  5.0
8     52.4     305.0   452.2  346.3  411.4  .1420E+08 236.8  4.9
8     51.7     305.0   452.2  346.3  411.4  .1421E+08 239.9  4.9
8     51.3     305.0   452.2  346.3  411.4  .1420E+08 242.0  4.8

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