

APPENDIX D
SUPPLEMENTAL SMOKE TOXICITY DATA
(Consisting of 15 Pages)

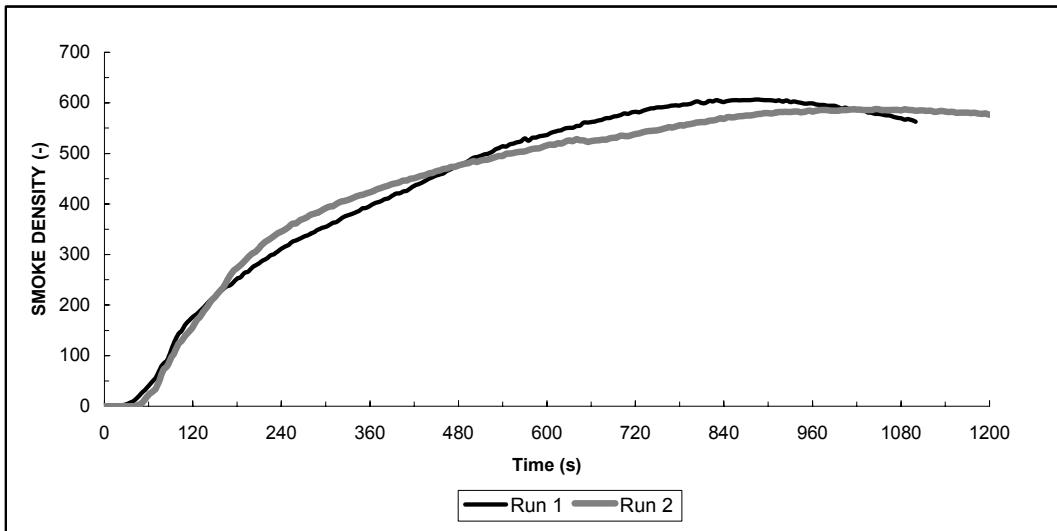
ASTM E 662 SMOKE CHAMBER TEST REPORT

Client: MVFRI
SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4860446 - '96 Caravan Kick Panel
Heat Flux: 25 kW/m², without pilot flame
Orientation: Vertical

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1753-M-1				0.0	109	312	608	47	561
1753-M-2				0.0	94	345	588	35	553
<i>Average</i>					102	328	598		557

Observations:



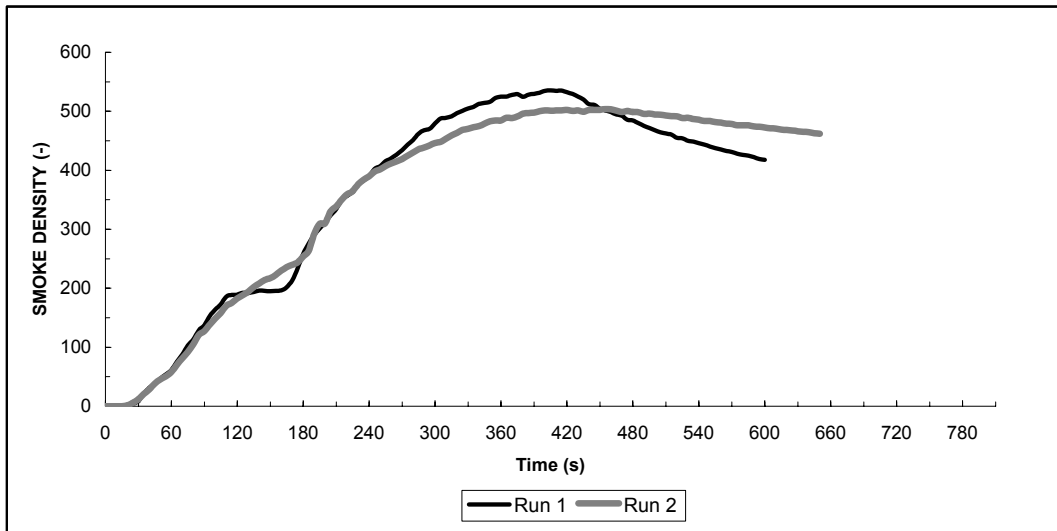
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Orientation: Vertical

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1753-M-3				0.0	138	390	537	16	521
1753-M-4				0.0	128	390	504	12	492
<i>Average</i>					133	390	520		507

Observations:



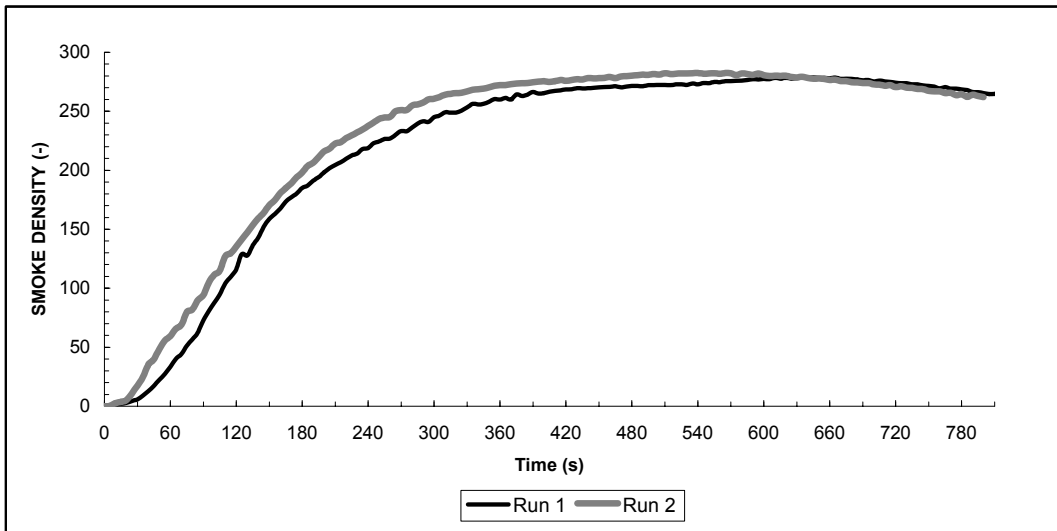
ASTM E 662 SMOKE CHAMBER TEST REPORT

Client: MVFRI
SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4857041A - '96 Caravan Hoodliner
Heat Flux: 25 kW/m², with pilot flame
Orientation: Vertical

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1753-M-5				0.0	73	219	279	10	270
1753-M-6				0.0	94	238	283	8	275
<i>Average</i>					84	228	281		272

Observations:



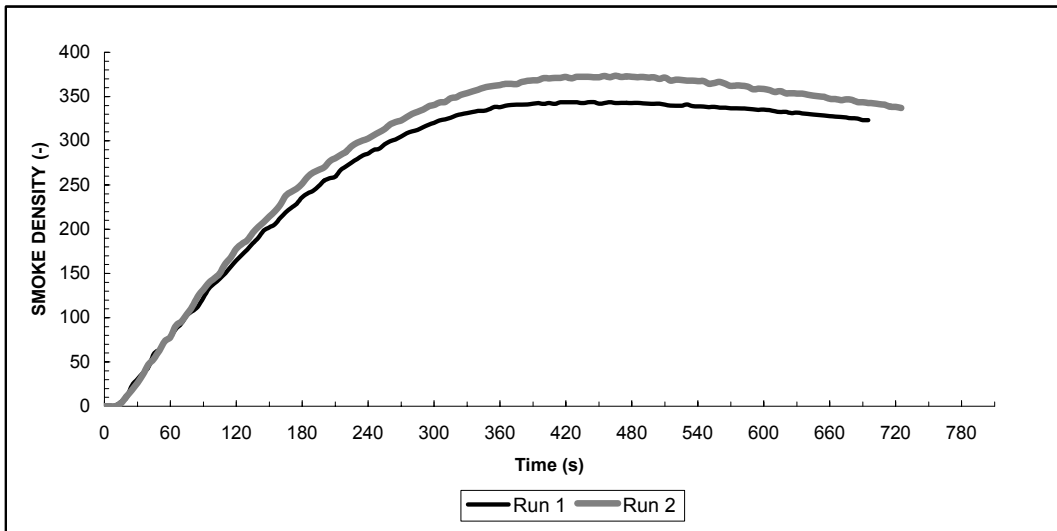
ASTM E 662 SMOKE CHAMBER TEST REPORT

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SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4857041A - '96 Caravan Hoodliner
Heat Flux: 25 kW/m², without pilot flame
Orientation: Vertical

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1753-M-7				0.0	123	286	344	4	341
1753-M-8				0.0	132	303	374	5	369
<i>Average</i>					127	294	359		355

Observations:



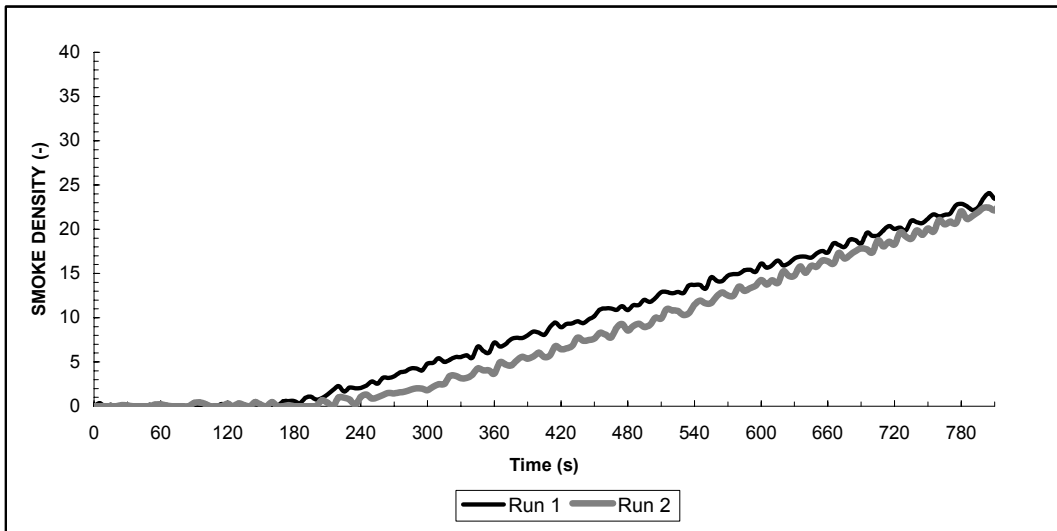
ASTM E 662 SMOKE CHAMBER TEST REPORT

Client: MVFRI
SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4857041A - Headlight Lens
Heat Flux: 25 kW/m², without pilot flame
Orientation: Vertical

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1753-M-9				0.0	0	2	38	0	38
1753-M10				0.0	0	1	38	0	38
<i>Average</i>					0	2	38		38

Observations:



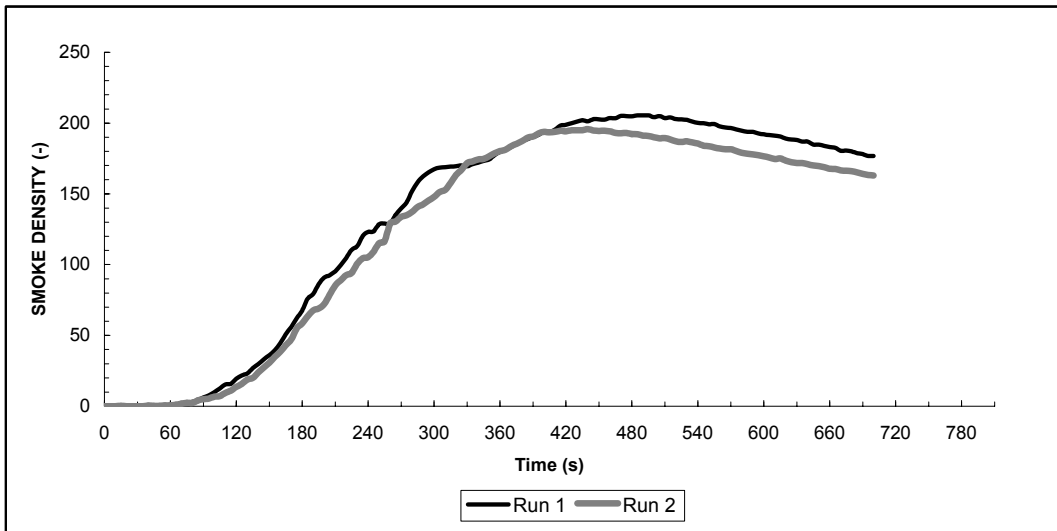
ASTM E 662 SMOKE CHAMBER TEST REPORT

Client: MVFRI
SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4857041A - Headlight Lens
Heat Flux: 25 kW/m², with pilot flame
Orientation: Vertical

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1753-M11				0.0	6	123	207	15	192
1753-M12				0.0	5	105	196	12	184
<i>Average</i>					6	114	201		188

Observations:



IMO SMOKE CHAMBER TEST REPORT

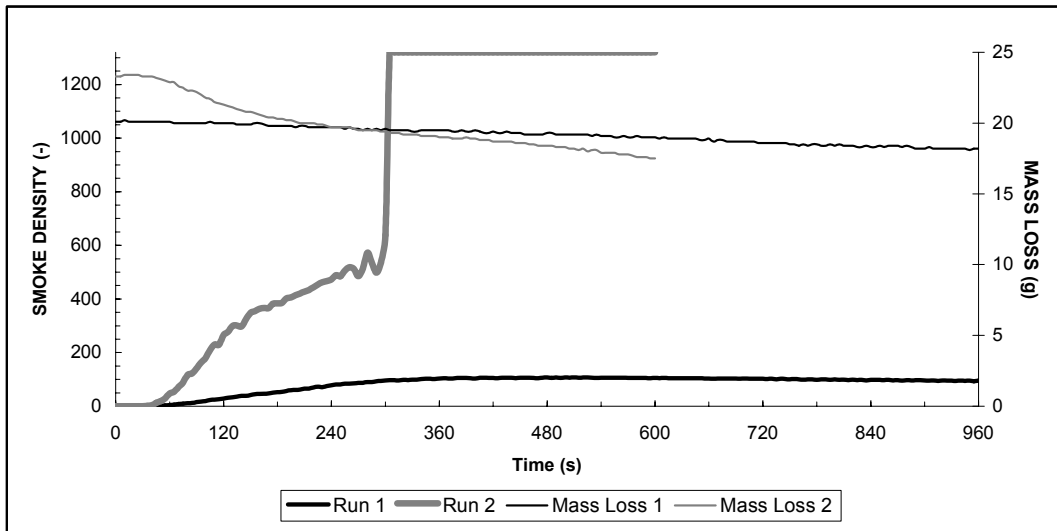
Client: MVFRI
 SwRI Proj. No: 01.06287.01.001
 Operator: E. Vergara

Material ID: 4860446 - '96 Caravan Kick Panel
 Heat Flux: 25 kW/m², without pilot flame
 Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1683-M-2		20.1	17.9	2.2	15	78	107	0	107
1683-M-3		23.3	17.5	5.8	141	473	1320	N/A	N/A
<i>Average</i>					78	276	714		107

Observations:

Where light transmittance falls below 0.000001%, the smoke density can no longer be calculated and a default value of 1320 is reported.



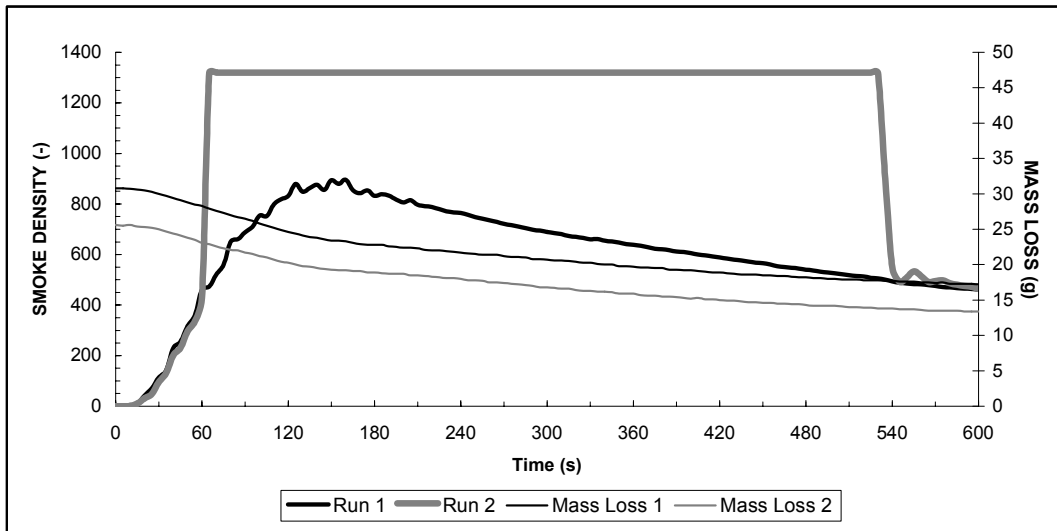
IMO SMOKE CHAMBER TEST REPORT

Client: MVFRI
SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4860446 - '96 Caravan Kick Panel
Heat Flux: 50 kW/m², with pilot flame
Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1693-M-2		30.8	17.2	13.6	688	764	897	91	806
1693-M-3		25.6	13.4	12.2	1320	1320	1320	N/A	N/A
<i>Average</i>					1004	1042	1109		806

Observations:



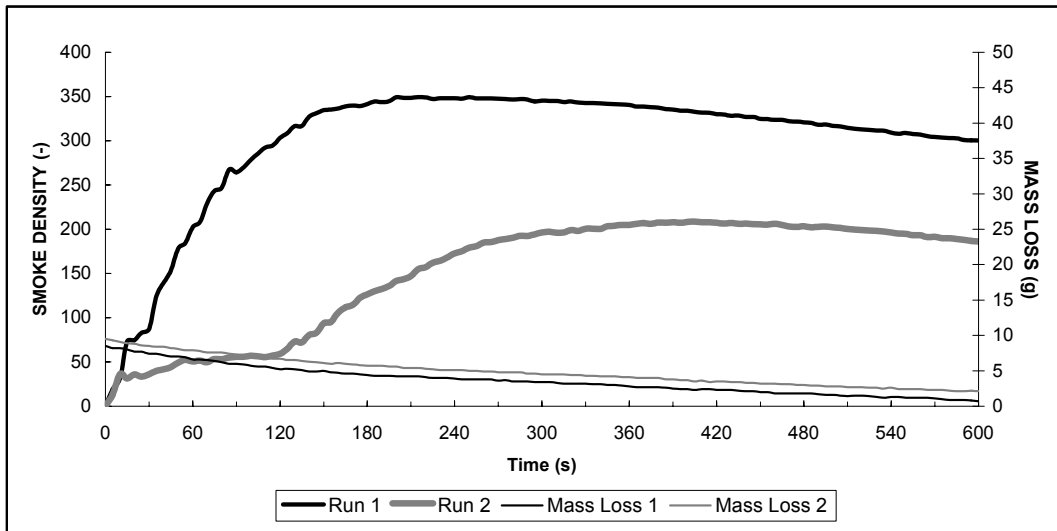
IMO SMOKE CHAMBER TEST REPORT

Client: MVFRI
SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4716832B - '96 Caravan Hoodliner
Heat Flux: 50 kW/m², without pilot flame
Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1693-M-5		8.5	0.7	7.8	264	348	350	23	327
1693-M-6		9.5	2.1	7.4	56	173	209	21	188
<i>Average</i>					160	261	279		257

Observations:



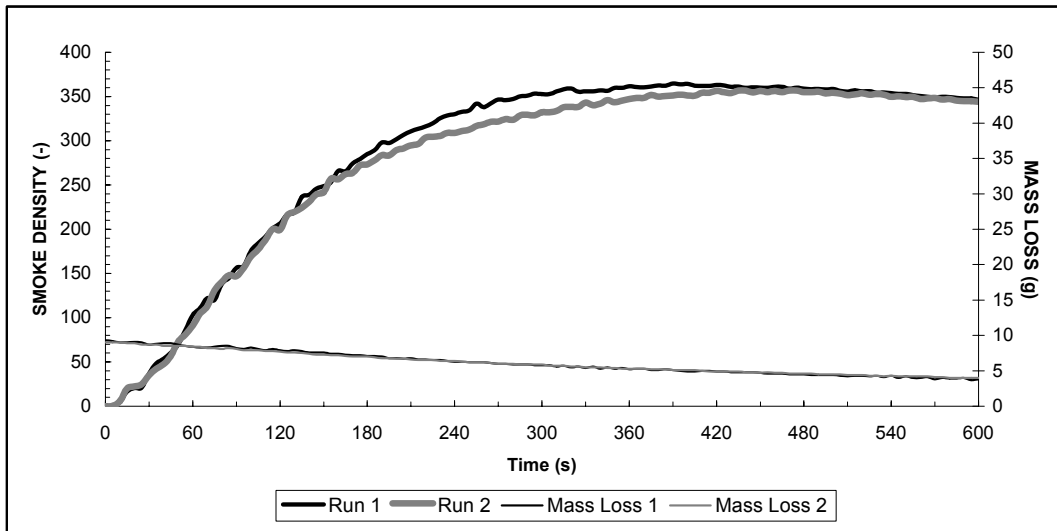
IMO SMOKE CHAMBER TEST REPORT

Client: MVFRI
 SwRI Proj. No: 01.06287.01.001
 Operator: E. Vergara

Material ID: 4716832B - '96 Caravan Hoodliner
 Heat Flux: 25 kW/m², without pilot flame
 Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1703-M-2		9.3	1.8	7.5	156	330	366	23	343
1703-M-3		9.0	2.1	6.9	147	309	357	22	336
<i>Average</i>					152	319	362		339

Observations:



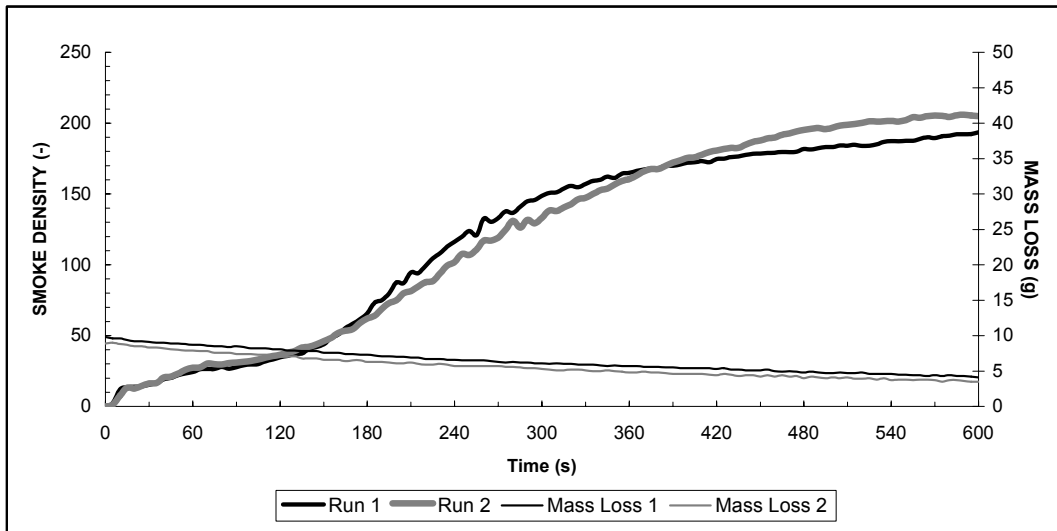
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SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4716832B - '96 Caravan Hoodliner
Heat Flux: 25 kW/m², with pilot flame
Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1703-M-5		9.8	1.8	8.0	28	116	203	26	177
1703-M-6		8.9	1.8	7.1	31	102	206	27	180
<i>Average</i>					29	109	205		178

Observations:



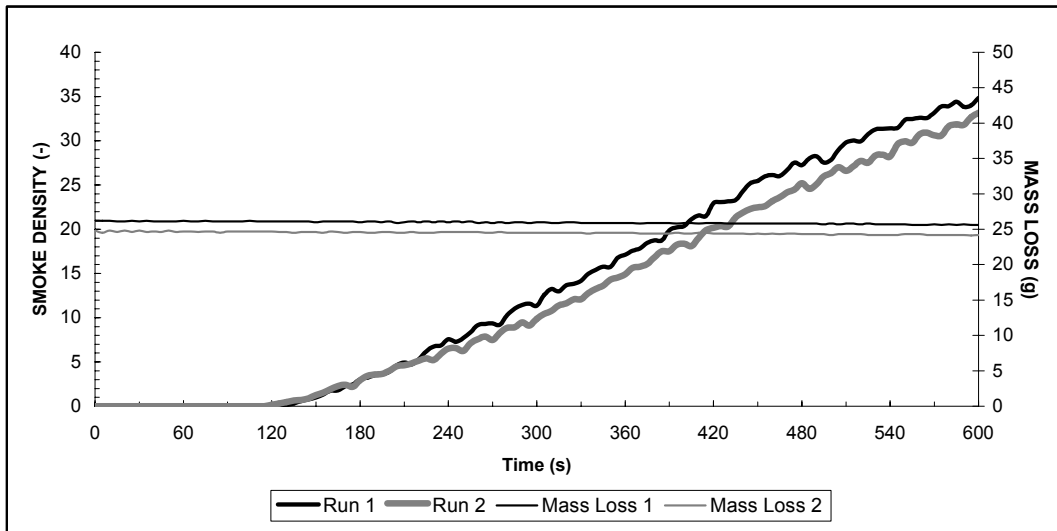
IMO SMOKE CHAMBER TEST REPORT

Client: MVFRI
 SwRI Proj. No: 01.06287.01.001
 Operator: E. Vergara

Material ID: 4857041A - '96 Headlight Lens
 Heat Flux: 25 kW/m², without pilot flame
 Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1713-M-1		26.2	24.5	1.7	0	8	55	0	55
1713-M-2		24.8	23.9	0.9	0	7	55	0	55
<i>Average</i>					0	7	55		55

Observations:



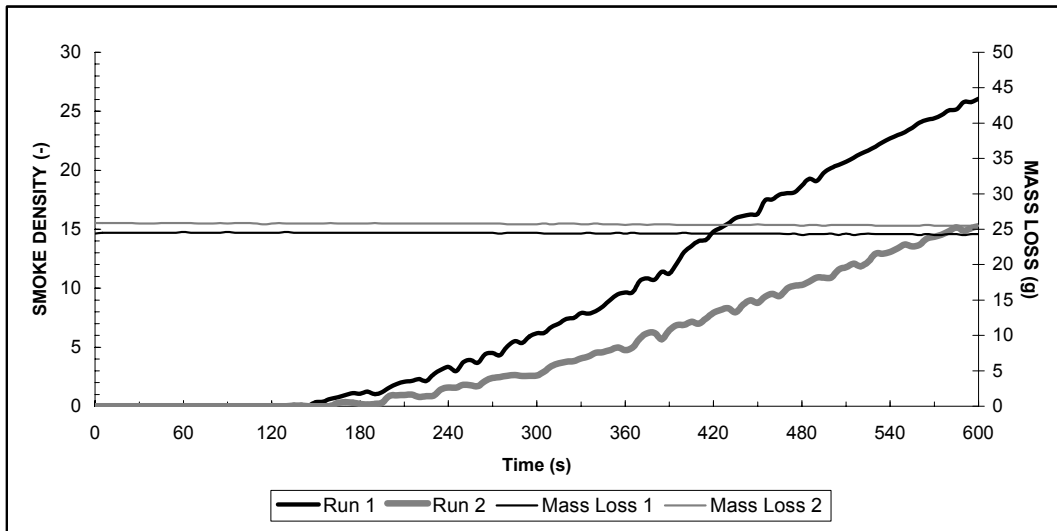
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Heat Flux: 25 kW/m², with pilot flame
Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1713-M-3		24.4	23.8	0.6	0	3	42	0	42
1713-M-4		25.9	24.1	1.8	0	2	29	0	29
<i>Average</i>					0	2	36		36

Observations:



IMO SMOKE CHAMBER TEST REPORT

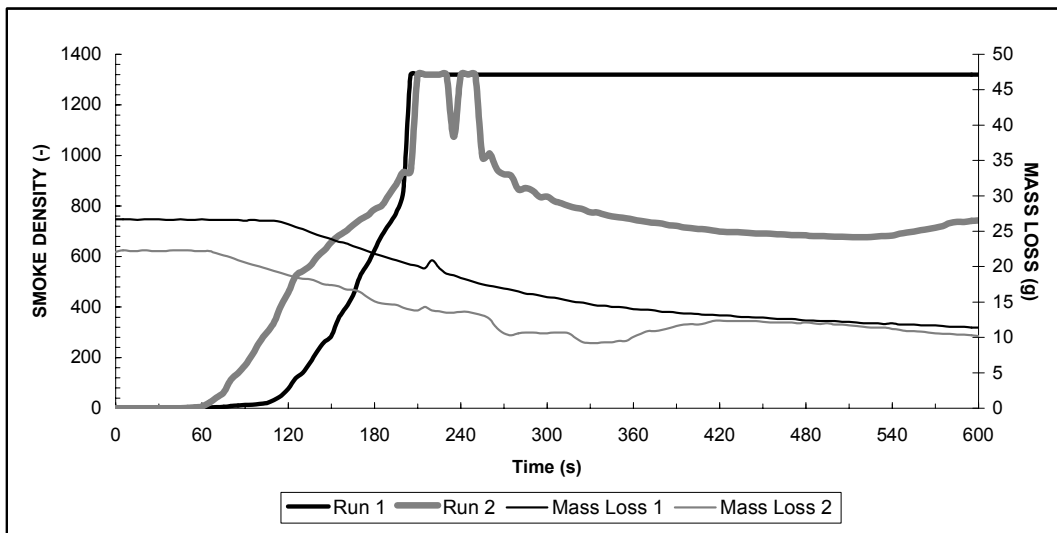
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SwRI Proj. No: 01.06287.01.001
Operator: E. Vergara

Material ID: 4857041A - '96 Headlight Lens
Heat Flux: 50 kW/m², without pilot flame
Orientation: Horizontal

Test ID	Test Date	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	1.5 min D _s	4 min D _s	Max D _s	Correction Factor	Corrected Max D _s
1713-M-5		26.7	11.4	15.3	12	1320	1320	N/A	N/A
1713-M-6		22.1	10.2	11.9	169	1320	1320	N/A	N/A
<i>Average</i>					91	1320	1320		-

Observations:

Where light transmittance falls below 0.000001%, the smoke density can no longer be calculated and a default value of 1320 is reported.



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1753-M-2				0.0	94	345	588	35	553
<i>Average</i>					102	328	598		557

Observations:

