

LAB EMISSION TEST - SCORING SUMMARY

Team	Name	5 Modes Complete	PF_CO < 275	HC+NOX < 90	E Score > 100	Soot < 100	Lab Emis Test	E_Score -	Lab Emis Points	Rank	Weighted BSFC	BSFC Points	Rank
1	UW-M	PASS	PASS	PASS	PASS	PASS	PASS	206.88	300.00	1	691.25	22.27	5
2	MTU	PASS	FAIL	PASS	PASS	PASS	FAIL	130.48	0.00	5	888.97	1.66	8
3	UI	PASS	PASS	PASS	PASS	PASS	PASS	114.57	100.00	4	668.40	25.89	3
4	SUNY-B	PASS	PASS	PASS	PASS	PASS	PASS	199.03	278.52	2	717.33	18.55	6
5	KU	PASS	FAIL	PASS	PASS	PASS	FAIL	120.15	0.00	6	887.94	1.74	7
7	UW-P	PASS	FAIL	PASS	FAIL	PASS	FAIL	94.13	0.00	8	681.04	23.84	4
12	CU	PASS	PASS	PASS	PASS	PASS	PASS	168.56	203.03	3	558.44	50.00	1
13	UA-F	PASS	FAIL	PASS	PASS	PASS	FAIL	118.61	0.00	7	637.21	31.48	2
14	ETS	PASS	FAIL	FAIL	FAIL	PASS	FAIL	-71.19	0.00	9	913.41	0.00	9

MinEScore -	114.57	MinBSFC g/kw-hr	558.44
MaxEScore -	206.88	MaxBSFC g/kw-hr	913.41

Must PASS "Lab Emissions Test" to score "Lab Emission Points"

Must PASS "Completed 5 Modes" to score "BSFC points", but do not have to PASS the "Lab Emission Test"

Teams exceeding 130 HP during the Power Sweep will not be allowed to continue

Total Weighted Mass Emissions by Team

Team#	Team Name	Fuel Type	Stroke	Max Power KW	Max Speed rpm	Max Torque Nm	HC g/hr	CO g/hr	NOx g/hr	HC+NOx g/hr	Soot mg/hr
1	UW-M	Gasoline	4	52.68	6211	81.000	0.79	188.86	1.89	2.68	0.00
2	MTU	Gasoline	4	60.88	7550	77.000	139.81	5959.10	3.68	143.49	0.00
3	UI	Gasoline	2	82.92	8080	98.000	985.46	7296.90	104.58	1090.00	130.64
4	SUNY-B	Diesel	4	28.19	4487	60.000	3.05	0.17	140.25	143.30	0.00
5	KU	Gasoline	4	53.27	7650	66.500	57.74	5770.20	13.79	71.53	2.61
7	UW-P	Gasoline	2	76.59	7950	92.000	298.40	10892.00	3.16	301.56	0.00
12	CU	Gasoline	4	36.63	7182	48.700	15.80	1319.00	291.02	306.82	401.67
13	UA-F	Gasoline	4	50.20	10200	47.000	104.55	5598.10	2.28	106.83	69.21
14	ETS	Gasoline	2	53.51	7000	73.000	2570.00	12347.00	48.40	2618.40	144.83

Total Weighted Brake Specific Emissions by Team

Team#	Team Name	WPower kw	BSFC g/kw-hr	HC g/kw-hr	CO g/kw-hr	NOx g/kw-hr	HC+NOx g/kw-hr	Soot mg/kw-hr
1	UW-M	15.69	691.25	0.05	12.04	0.12	0.17	0.00
2	MTU	19.94	888.97	7.01	298.88	0.18	7.20	0.00
3	UI	26.73	668.40	36.87	272.98	3.91	40.78	4.89
4	SUNY-B	8.71	717.33	0.35	0.02	16.10	16.45	0.00
5	KU	16.59	887.94	3.48	347.90	0.83	4.31	0.16
7	UW-P	25.23	681.04	11.83	431.62	0.13	11.95	0.00
12	CU	12.89	558.44	1.23	102.29	22.57	23.80	31.15
13	UA-F	16.09	637.21	6.50	347.85	0.14	6.64	4.30
14	ETS	17.18	913.41	149.55	718.45	2.82	152.36	8.43