

ALT_WORK.XLS

DILUTER PERFORMANCE CHARTS FOR A-12A & A-14										TEST STAND DATA USING AIR AS A TEST GAS									
RATIO OF CYLINDER OXYGEN TO TOTAL GAS DELIVERED					OXYGEN FLOW					AIR FLOW					AVERAGE				
ALT. FEET	OUTPUT LPM	% ADDED OXYGEN		OXYGEN FLOW LPM	AIR FLOW		TOTAL FLOW		AVERAGE OUTPUT AIR FLOW	% ADDED AIR FLOW		INPUT							
		MIN.	MAX.		MIN.	MAX.	MIN.	MAX.		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.				
5000	10	0.01	1.00	0.10	10.00	9.90	0.00	0.11	10.51	10.01	10.51	10.26	0.01	1.00	0.11	10.51			
5000	30	0.01	0.30	0.30	9.00	29.70	21.00	0.32	9.46	30.02	30.46	30.24	0.01	0.31	0.32	9.46			
5000	50	0.01	0.30	0.50	15.00	49.50	35.00	0.53	15.77	50.03	50.77	50.40	0.01	0.31	0.53	15.77			
5000	70	0.01	0.40	0.70	28.00	69.30	42.00	0.74	29.44	70.04	71.44	70.74	0.01	0.41	0.74	29.44			
5000	85	0.01	0.40	0.85	34.00	84.15	51.00	0.89	35.74	85.04	86.74	85.89	0.01	0.41	0.90	35.74			
10000	10	0.06	1.00	0.60	10.00	9.40	0.00	0.63	10.51	10.03	10.51	10.27	0.06	1.00	0.65	10.51			
10000	30	0.06	0.30	1.80	9.00	28.20	21.00	1.89	9.46	30.09	30.46	30.28	0.06	0.31	1.90	9.46			
10000	50	0.06	0.30	3.00	15.00	47.00	35.00	3.15	15.77	50.15	50.77	50.46	0.06	0.31	3.17	15.77			
10000	70	0.06	0.40	4.20	28.00	65.80	42.00	4.42	29.44	70.22	71.44	70.83	0.06	0.41	4.45	29.44			
10000	85	0.06	0.40	5.10	34.00	79.90	51.00	5.36	35.74	85.26	86.74	86.00	0.06	0.41	5.41	35.74			
15000	10	0.14	1.00	1.40	10.00	8.60	0.00	1.47	10.51	10.07	10.51	10.29	0.15	1.00	1.50	10.51			
15000	30	0.14	0.32	4.20	9.60	25.80	20.40	4.42	10.09	30.22	30.49	30.35	0.15	0.33	4.44	10.09			
15000	50	0.14	0.32	7.00	16.00	43.00	34.00	7.36	16.82	50.36	50.82	50.59	0.15	0.33	7.39	16.82			
15000	70	0.14	0.40	9.80	28.00	60.20	42.00	10.30	29.44	70.50	71.44	70.97	0.15	0.41	10.37	29.44			
15000	85	0.14	0.40	11.90	34.00	73.10	51.00	12.51	35.74	85.61	86.74	86.18	0.15	0.41	12.59	35.74			
20000	10	0.24	1.00	2.40	10.00	7.60	0.00	2.52	10.51	10.12	10.51	10.32	0.25	1.00	2.57	10.51			
20000	30	0.24	0.46	7.20	13.80	22.80	16.20	7.57	14.51	30.37	30.71	30.54	0.25	0.47	7.61	14.51			
20000	50	0.24	0.46	12.00	23.00	38.00	27.00	12.62	24.18	50.62	51.18	50.90	0.25	0.47	12.60	24.18			
20000	70	0.24	0.55	16.80	45.50	53.20	24.50	17.66	47.83	70.86	72.33	71.60	0.25	0.66	17.85	47.83			
20000	85	0.24	0.65	20.40	55.25	64.60	29.75	21.45	58.08	86.05	87.83	86.94	0.25	0.66	21.67	58.08			
25000	10	0.40	1.00	4.00	10.00	6.00	0.00	4.21	10.51	10.21	10.51	10.36	0.41	1.00	4.27	10.51			
25000	30	0.40	0.80	12.00	24.00	18.00	6.00	12.62	25.23	30.62	31.23	30.92	0.41	0.81	12.74	25.23			
25000	50	0.40	0.80	20.00	40.00	30.00	10.00	21.03	42.05	51.03	52.05	51.54	0.41	0.81	21.24	42.05			
25000	70	0.40	0.90	28.00	63.00	42.00	7.00	29.44	66.23	71.44	73.23	72.33	0.41	0.90	29.81	66.23			
25000	85	0.40	0.90	34.00	76.50	51.00	8.50	35.74	80.42	86.74	88.92	87.83	0.41	0.90	36.19	86.74			
28000	10	0.50	1.00	5.00	10.00	5.00	0.00	5.26	10.51	10.26	10.51	10.38	0.51	1.00	5.32	10.51			
28000	30	0.50	0.90	15.00	27.00	15.00	3.00	15.77	28.39	30.77	31.39	31.68	0.51	0.90	15.93	28.39			
28000	50	0.50	0.90	25.00	45.00	25.00	5.00	26.28	47.31	51.28	52.31	51.80	0.51	0.90	26.55	47.31			
28000	70	0.50	0.95	35.00	66.50	35.00	3.50	36.80	69.91	71.80	73.41	72.60	0.51	0.95	37.21	69.91			
28000	85	0.50	0.95	42.50	80.75	42.50	4.25	44.68	84.89	87.18	89.14	88.16	0.51	0.95	45.18	84.89			
30000	10	0.60	1.00	6.00	10.00	4.00	0.00	6.31	10.51	10.31	10.51	10.41	0.61	1.00	6.37	10.51			
30000	30	0.60	1.00	18.00	30.00	12.00	0.00	18.92	31.54	30.92	31.54	31.23	0.61	1.00	19.11	31.54			
30000	50	0.60	1.00	30.00	50.00	20.00	0.00	31.54	52.57	51.54	52.57	52.05	0.61	1.00	31.85	52.57			
30000	70	0.60	1.00	42.00	70.00	28.00	0.00	44.15	73.59	72.15	73.59	72.87	0.61	1.00	44.59	73.59			
30000	85	0.60	1.00	51.00	85.00	34.00	0.00	53.62	89.36	87.62	89.36	88.49	0.61	1.00	54.15	89.36			