



LOTUS ENGINEERING INC.  
VEHICLE EMISSIONS LAB  
DATA SHEET

DATE: 02/21/07 TEST FUEL: EEE  
TEST NO: 07022103 \* 2104 SUPPLIER: AMOCO  
VEHICLE NO: 6803 NET HTG VAL: 18484  
VEHICLE MAKE: Ford SPEC GRAV: 7.34  
VEHICLE MODEL: F-350 CARBON FRAC: 8649  
TRANSMISSION: FUEL RVP: 9.2  
ENGINE: BATCH NO: UF2621LS10  
START ODO: 5581 DRUM LOT:  
END ODO: 5621 OPERATOR: Steve  
INERTIA WEIGHT: 7798 OBSERVER: Steve  
DYNO COEF: A=41.46 B=-.0721 C=04582 DRIVER: Brian

	MASS BAG RESULTS			
	COLD TRANSIENT	COLD STABILIZED	HOT TRANSIENT	HYFE
CH4 SAMPLE (ppm):	4.29	3.27	3.22	2.95
CH4 AMBIENT (ppm):	3.29	3.31	3.28	3.01
THC SAMPLE (ppm):	20.79	6.75	7.74	7.63
THC AMBIENT (ppm):	7.20	7.16	7.24	7.65
CO SAMPLE (ppm):	101.53	18.77	39.84	40.51
CO AMBIENT (ppm):	4.25	3.86	3.21	2.62
NOx SAMPLE (ppm):	1.83	0.56	1.02	1.31
NOx AMBIENT (ppm):	0.46	0.48	0.43	0.35
CO2 SAMPLE (%):	1.034	0.660	0.887	1.225
CO2 AMBIENT (%):	0.089	0.091	0.083	0.068
BARO (in Hg):	29.05	29.05	29.05	29.03
REL HUMIDITY (%):	34.0	30.7	29.5	20.0
DRY BULB (F):	80.0	83.2	84.6	89.4
PHASE DIST (mi):	3.59	3.85	3.56	10.27
CVS VOLUME (scf):	5850.6	9753.1	5772.9	8299.5
COAST DOWN Q C (sec):				

TEST NUMBER: 07022103 \* 21 TEST RESULTS

	CYCLE 1				CYCLE 2				CYCLE 3				HWFE	
	COLD TRANSIENT	COLD STABILIZED	HOT TRANSIENT	HYFE										
DILUTION FACTOR:	12.812	20.225	15.028	10.897	in Hg/Pa 0.000				in Hg/Pa 0.000				in Hg/Pa 0.000	
% REL HUMIDITY:	34.000	30.700	29.500	20.000	inHg/mmHg 0.039				inHg/mmHg 0.039				inHg/mmHg 0.039	
HUM CORR FACTOR:	0.908	0.908	0.909	0.867	mmHg/Pa 0.008				mmHg/Pa 0.008				mmHg/Pa 0.008	
PHASE MASS:					T db 299.817				T db 301.594				T db 302.372	
THC (g):	1.352	0.000	0.092	0.093	K 0.622				K 0.622				K 0.622	
NMHC (g):	1.232	0.000	0.077	0.064										
CO (g):	18.829	4.917	7.013	10.433	Pa	in Hg	mm Hg		Pa	in Hg	mm Hg		Pa	in Hg
NOx (g):	0.403	0.050	0.174	0.387										
CO2 (g):	2884	2899	2421	5001										
PHASE MASS PER MILE:					Pdb 3497.410	1.036	26.308		Pdb 3880.50	1.15	29.19		Pdb 4059.27	1.20
THC (g/mi):	0.378	0.000	0.026	0.009	RH (%) 34.000	34.000	34.000		RH (%) 30.70	30.70	30.70		RH (%) 29.50	29.50
NMHC (g/mi):	0.344	0.000	0.022	0.006	BARO	29.050	737.901		BARO	29.05	737.90		BARO	29.05
CO (g/mi):	5.200	1.277	1.970	1.016										
NOx (g/mi):	0.113	0.013	0.049	0.038	H(grains) 53.350				H(grains) 53.45				H(grains) 53.73	
CO2 (g/mi):	806.000	753.000	680.000	487.000	Kh 0.908				Kh 0.91				Kh 0.91	
SAE FUEL ECON:	12.500	13.500	14.900	20.800										
WEIGHTED PHASE MASS PER MILE:														
THC (g/mi):	0.078	0.000	0.007											
NMHC (g/mi):	0.071	0.000	0.006											
CO (g/mi):	1.090	0.663	0.539											
NOx (g/mi):	0.023	0.007	0.013											
CO2 (g/mi):	167.000	391.000	186.000											

EPA REPORTED FINAL WEIGHTED RESULTS FOR TEST

EPA 75  
HC (g/mi): 0.085  
NMHC (g/mi): 0.077