Conventional Vehicle Data Summary Sheet

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Vehicle Information		
Car		2012 Ford F-150 w Eco-Boost
Type		Truck
Engine		3.5 liter twin-turbocharged, direct-injected EcoBoost V6
Compression ratio		10.0:1
Horsepower		365 @ 5000
Torque		420 @ 2500
Gear Ratio	1st	4.17
	2nd	2.34
	3rd	1.52
	4th	1.14
	5th	0.86
	6th	0.69
	7th	-
	8th	-
	Final Drive	2.17
Wet or Dry Clutch		
Labeled EPA Fuel Economy	HWY	17
	Urban	23
	Combined	19
0 to 60 time [s]		6.1
2 Whl Dyno GUI table	Test weight	6000
	a	44.26
	b	0.5405
	c	0.03654

Fuel Info				
Fuel Name:	Tier II EEE HF437	Density:	0.74	[g/ml]
CWF:	0.8618	Net HV:	18344	[BTU/lbm]

Test Cycle	Test I.D.	Fuel Usage Summary Table: Date	Distance [mi]	FC [l/km]	FE [mpg]	Vehicle Efficiency	Avg. Engine Spd [rpm] when moving	% of Time Spent in Gear: 1	2	3	4	5	6	7	8	Estimated Shifts / cycle	% Total Fuel Used: Idle	Accel	Cruise*	Decel
Weighted UDDS		08/17/12	7.49	13.27	17.9															
UDDS Cold	71208052	08/17/12	7.48	14.38	16.5	17.6%	1258	27.9%	5.8%	34.7%	18.0%	5.2%	7.6%	-	-	116	10.3%	52.2%	27.5%	10.0%
UDDS Hot	71208053	08/17/12	7.49	12.53	18.9	20.2%	1227	27.9%	5.8%	34.7%	18.0%	5.2%	7.6%	-	-	116	7.3%	56.5%	25.7%	10.6%
UDDS Hot2	71208054	08/17/12	7.49	12.49	19.0	20.4%	1226	27.9%	5.7%	34.8%	18.0%	5.3%	7.6%	-	-	116	7.2%	55.3%	27.6%	9.9%
		Cold Start Penalty**		14.76%	12.86%															
Hwy	71208055	08/17/12	10.32	8.42	28.2	30.5%	1317	1.7%	0.3%	1.4%	3.2%	9.0%	84.2%	-	-	17	1.4%	26.0%	68.9%	3.7%
US06	71208056	08/17/12	8.05	14.06	16.9	28.9%	1626	13.8%	4.3%	8.6%	3.6%	6.2%	62.5%	-	-	71	1.5%	61.8%	28.6%	8.1%
US06 City Portion	71208056	08/17/12	1.78	21.24	11.2	24.6%	1551	30.0%	9.5%	18.7%	6.8%	13.0%	19.9%	-	-	56	2.0%	86.6%	4.9%	6.5%
US06 HWY Portion	71208056	08/17/12	6.27	12.02	19.8	31.1%	1667	3.5%	1.0%	2.1%	1.5%	1.8%	89.7%	-	-	15	1.2%	49.4%	40.5%	8.9%
NEDC	71208039	08/15/12	6.92	11.93	19.9	21.7%	1213	34.2%	6.1%	24.1%	14.3%	2.5%	18.3%	-	-	62	10.5%	43.7%	38.7%	7.1%
NEDC Urban	71208039	08/15/12	2.54	15.02	15.8	14.1%	1137	45.7%	8.3%	34.5%	10.8%	0.0%	0.0%	-	-	48	18.1%	45.8%	23.7%	12.5%
NEDC Extra Urban	71208039	08/15/12	4.38	10.14	23.4	28.2%	1325	11.9%	1.7%	3.7%	21.3%	7.3%	53.8%	-	-	14	3.9%	42.0%	51.7%	2.5%
LA 92	71208040	08/15/12	9.84	13.94	17.0	24.0%	1272	27.6%	9.3%	18.5%	14.0%	10.4%	19.3%	-	-	148	4.5%	66.9%	19.8%	8.8%
JC08	71208038	08/15/12	5.09	13.47	17.63	18.0%	1146	40.8%	10.6%	22.4%	14.0%	7.3%	4.6%	-	-	62	14.1%	53.7%	21.1%	11.0%
WLTP	71208045	08/16/12	14.46	12.31	19.30	25.2%	1289	18.9%	9.0%	23.0%	11.8%	11.4%	25.4%	-	-	117	4.0%	53.3%	34.4%	8.3%
WLTP Phase 1	71208045	08/16/12	1.93	16.37	14.5	15.1%	1094	36.3%	18.2%	34.5%	9.0%	1.3%	0.0%	-	-	40	13.1%	56.0%	16.2%	14.8%
WLTP Phase 2	71208045	08/16/12	2.96	12.12	19.6	22.7%	1226	14.6%	7.4%	22.6%	25.6%	22.5%	6.4%	-	-	39	3.7%	64.4%	23.9%	8.0%
WLTP Phase 3	71208045	08/16/12	4.42	10.61	22.4	26.1%	1293	10.0%	4.2%	20.8%	7.6%	14.3%	42.5%	-	-	27	2.3%	50.4%	41.0%	6.4%
WLTP Phase 4	71208045	08/16/12	5.15	12.34	19.2	30.9%	1628	5.2%	1.1%	5.3%	4.1%	10.5%	73.5%	-	-	11	0.8%	48.0%	44.6%	6.6%
UDDS Cycle Beating	71208044	08/16/12	7.54	11.82	20.1	19.5%	1134	27.0%	5.9%	37.8%	16.1%	4.9%	7.6%	-	-	110	1.8%	50.3%	38.4%	9.4%
		% improvement**		6.06%	5.71%															
1.2 UDDS ED	71208047	08/16/12	7.48	14.52	16.4	23.3%	1307	27.3%	5.6%	18.6%	25.8%	10.7%	10.9%	-	-	148	5.0%	67.8%	19.4%	7.8%
		% change**		13.67%	15.84%															
1.4 UDDS ED	71208048	08/16/12	7.49	17.86	13.3	24.5%	1449	27.3%	5.7%	15.6%	13.6%	20.7%	15.6%	-	-	154	3.3%	76.9%	13.3%	6.5%
		% change**		29.83%	42.51%															
1.2 Hwyx2 ED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		% change		-	-			Note- Gear Estimation does not take into account torque converter locking/unlocking												

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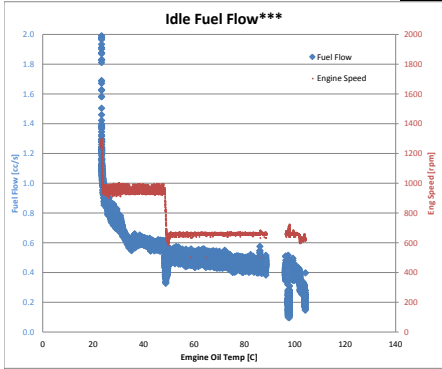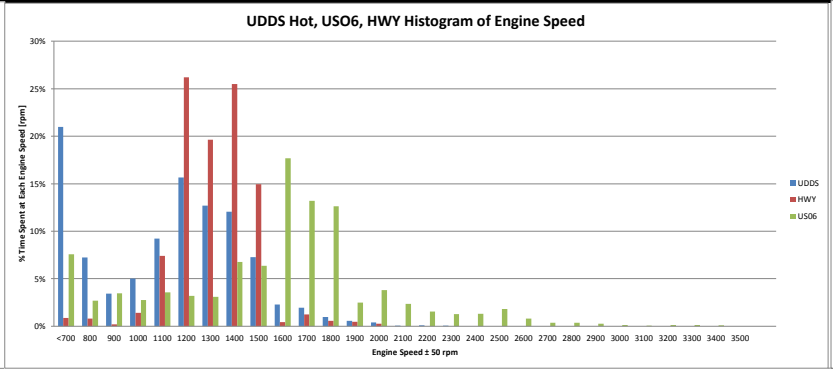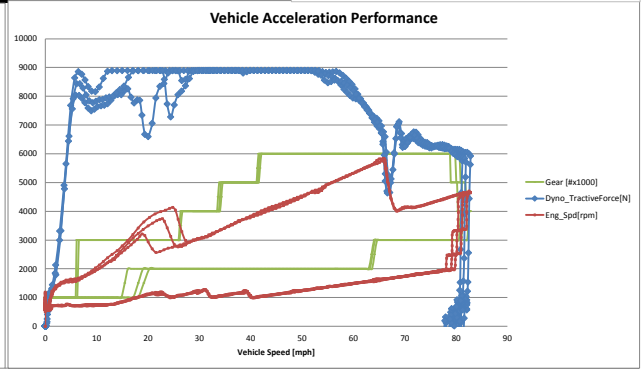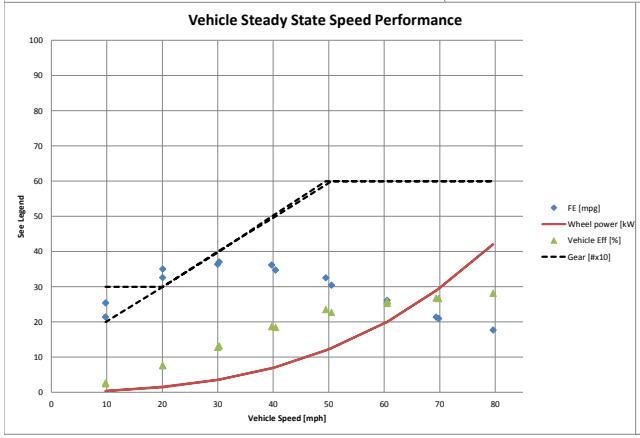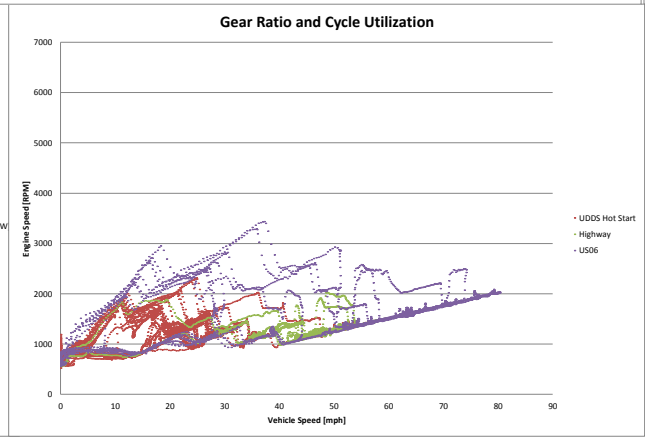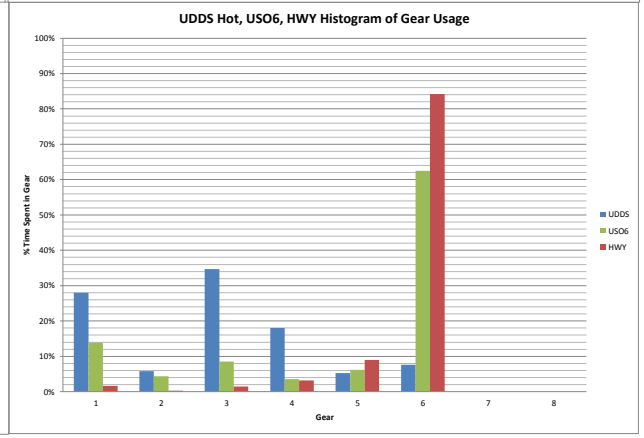
Note:
*Cruise determined to be an acceleration ±0.2m/s²
**Compared to Hot Test#1
***Idle Test, in Park. Engine Speed Signal had issues
Engine Speed is combined Can and OCR Data to fix drop out issue