

## Work Order Data

**Work Order #:** 5077614  
**Machine Model #:** NA  
**Engine Model #:** C 18  
**Engine Arrangement #:** 237-1955  
**Rated Horsepower:** 630 HP @ 2100 RPM  
**Tester ID:** Karl 2681

**Customer Name:** Used Truck Engines  
**Machine Serial #:** NA  
**Engine Serial #:** WJH02361  
**Engine Perf. Spec. #:** 0K4932  
**Rated Torque:** 2042 LBS @ 1400 RPM  
**E-Fuel Setting:** FLS4 & FTS 3

## Dyno Report

Mins	Speed(RPM)	Torque(ft-lbs)	Corr.Gross Hp	Oil(Barrel)	FUEL(Bbl/hr)	BOOST(In Hg)	FUEL BURN RATE (gph/hr)	JAC HQC OVT#(Hr)
0.00	2290	195	88.0	78.9	96.2	9.12	10.8	182
.030	2290	144	64.8	79.0	95.8	7.98	9.50	182
1.28	2250	475	211	77.5	95.0	15.7	14.1	187
2.07	2200	885	386	76.3	91.1	35.2	23.6	188
2.70	2150	1210	515	75.4	89.4	42.7	28.8	190
3.40	2100	1500	630	74.2	87.8	49.4	34.3	192
3.50	2030	1590	645	73.9	87.2	49.8	34.2	192
3.55	2000	1600	639	73.3	87.6	50.3	33.5	192
3.67	1900	1720	653	72.6	86.5	50.3	33.1	193
3.83	1800	1860	671	71.1	85.7	53.8	33.7	193
3.92	1690	1890	642	70.3	85.3	53.4	32.8	194
3.98	1600	1880	602	69.2	85.8	50.9	29.6	195
4.07	1510	1930	581	68.7	85.2	49.7	28.6	195
4.17	1410	1990	560	67.4	84.6	48.5	27.6	196
5.33	701	33.0	4.63	28.1	86.3	.400	1.09	197

## Performance Spreadsheet

Mins	Speed(RPM)	Torque(ft-lbs)	Power(Hp)	Corr.Gross Hp
0.00	2290	195	85.2	88.0
.030	2290	144	62.8	64.8
1.28	2250	475	204	211
2.07	2200	885	371	386
2.70	2150	1210	494	515
3.40	2100	1500	601	630
3.50	2030	1590	615	645
3.55	2000	1600	609	639
3.67	1900	1720	622	653
3.83	1800	1860	639	671
3.92	1690	1890	611	642
3.98	1600	1880	572	602
4.07	1510	1930	553	581
4.17	1410	1990	533	560
5.33	701	33.0	4.40	4.63

## Temperature Spreadsheet

Mins	JAC H2O IN(*F)	JAC H2O OUT #1(*F)	OIL(*F)	FUEL IN(*F)	FUEL OUT(*F)	INTAKE AIR(*F)	AMBIENT AIR(*F)
0.00	177	182	164	107	153	99.3	102
.030	177	182	164	107	153	99.3	102
1.28	179	187	155	108	160	103	104
2.07	179	188	150	109	163	107	113
2.70	180	190	149	109	166	112	106
3.40	180	192	149	109	170	118	110
3.50	180	192	150	109	170	119	110
3.55	181	192	150	109	170	120	111
3.67	181	193	150	110	171	121	111
3.83	181	193	151	110	171	122	111
3.92	182	194	151	110	171	123	111
3.98	182	195	152	110	171	123	112
4.07	183	195	152	110	171	123	112
4.17	183	196	153	110	171	123	111
5.33	186	197	160	112	170	121	113

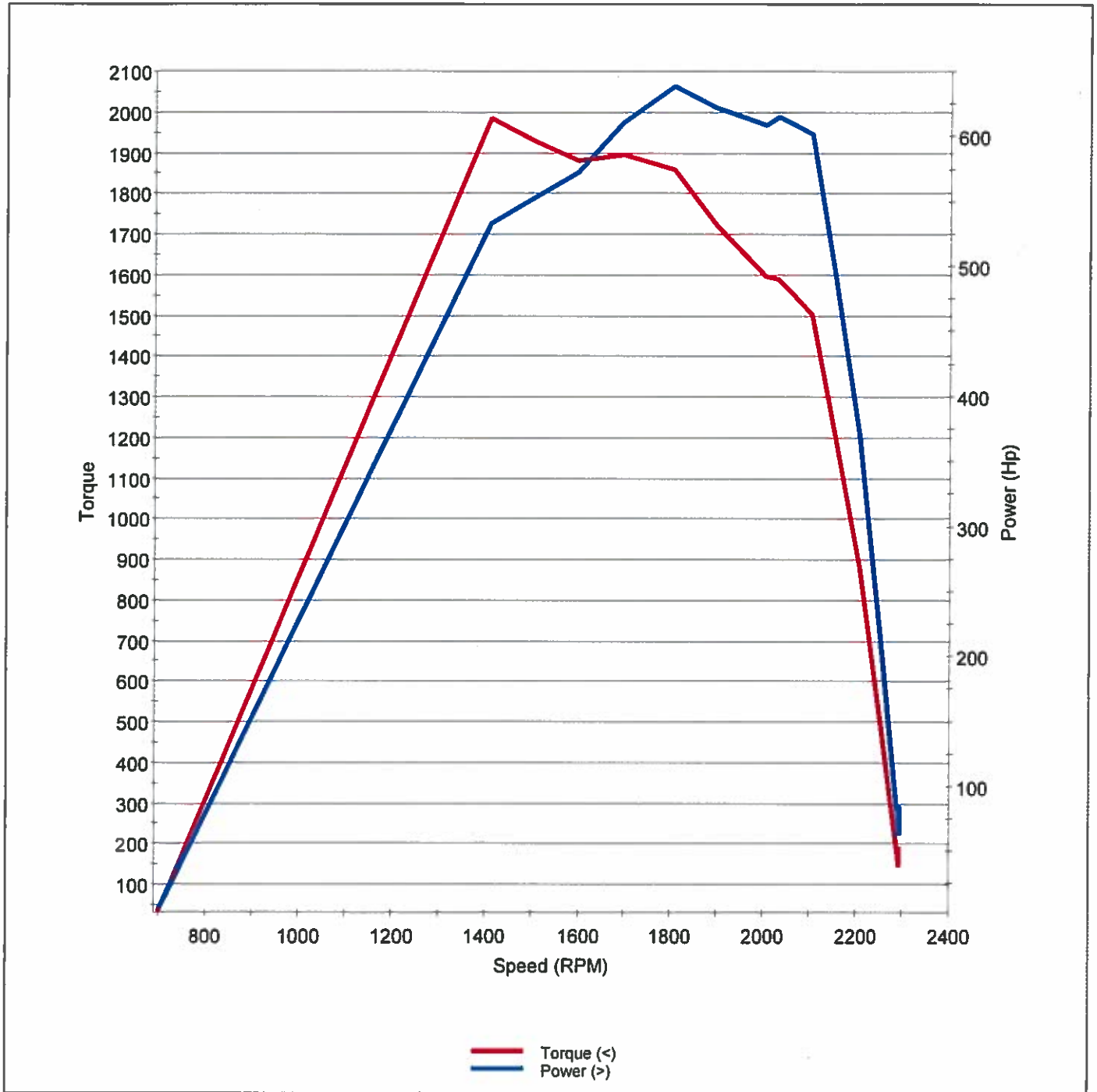
## Pressure Spreadsheet

Mins	BAROMETRIC(in Hg)	OIL(lbs/in <sup>2</sup> )	FUEL(lbs/in <sup>2</sup> )	BOOST(in Hg)
0.00	30.0	78.9	96.2	9.12
.030	30.0	79.0	95.8	7.98
1.28	30.0	77.5	95.0	15.7
2.07	30.0	76.3	91.1	35.2
2.70	30.0	75.4	89.4	42.7
3.40	30.0	74.2	87.8	49.4
3.50	30.0	73.9	87.2	49.8
3.55	30.0	73.3	87.6	50.3
3.67	30.0	72.6	86.5	50.3
3.83	30.0	71.1	85.7	53.8
3.92	30.0	70.3	85.3	53.4
3.98	30.0	69.2	85.8	50.9
4.07	30.0	68.7	85.2	49.7
4.17	30.0	67.4	84.6	48.5
5.33	30.0	28.1	86.3	.400

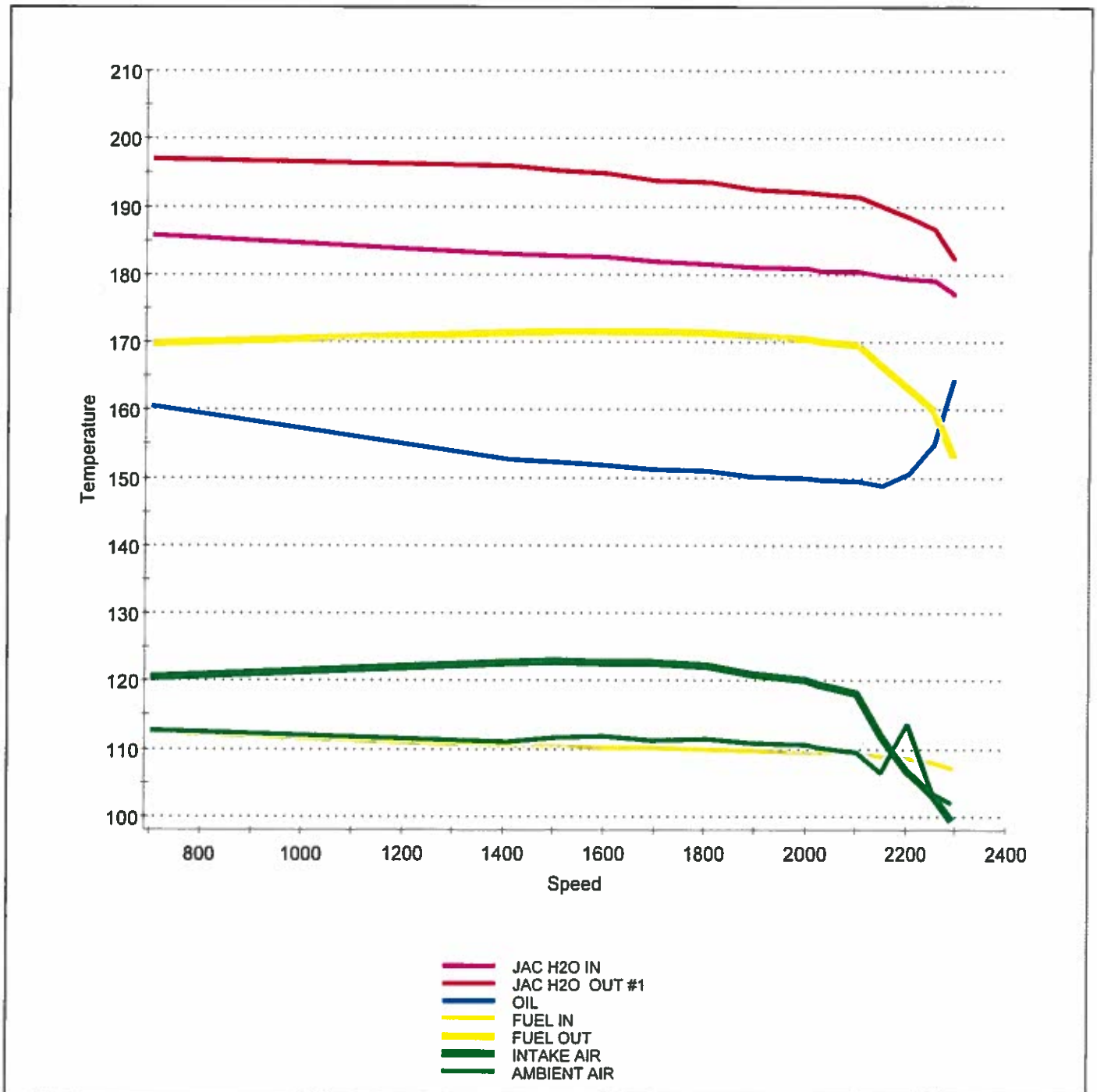
## Fuel Burn Spreadsheet

Mins	FUEL BURN RATE (gals./hr.)
0.00	10.8
.030	9.50
1.28	14.1
2.07	23.6
2.70	28.8
3.40	34.3
3.50	34.2
3.55	33.5
3.67	33.1
3.83	33.7
3.92	32.8
3.98	29.6
4.07	28.6
4.17	27.6
5.33	1.09

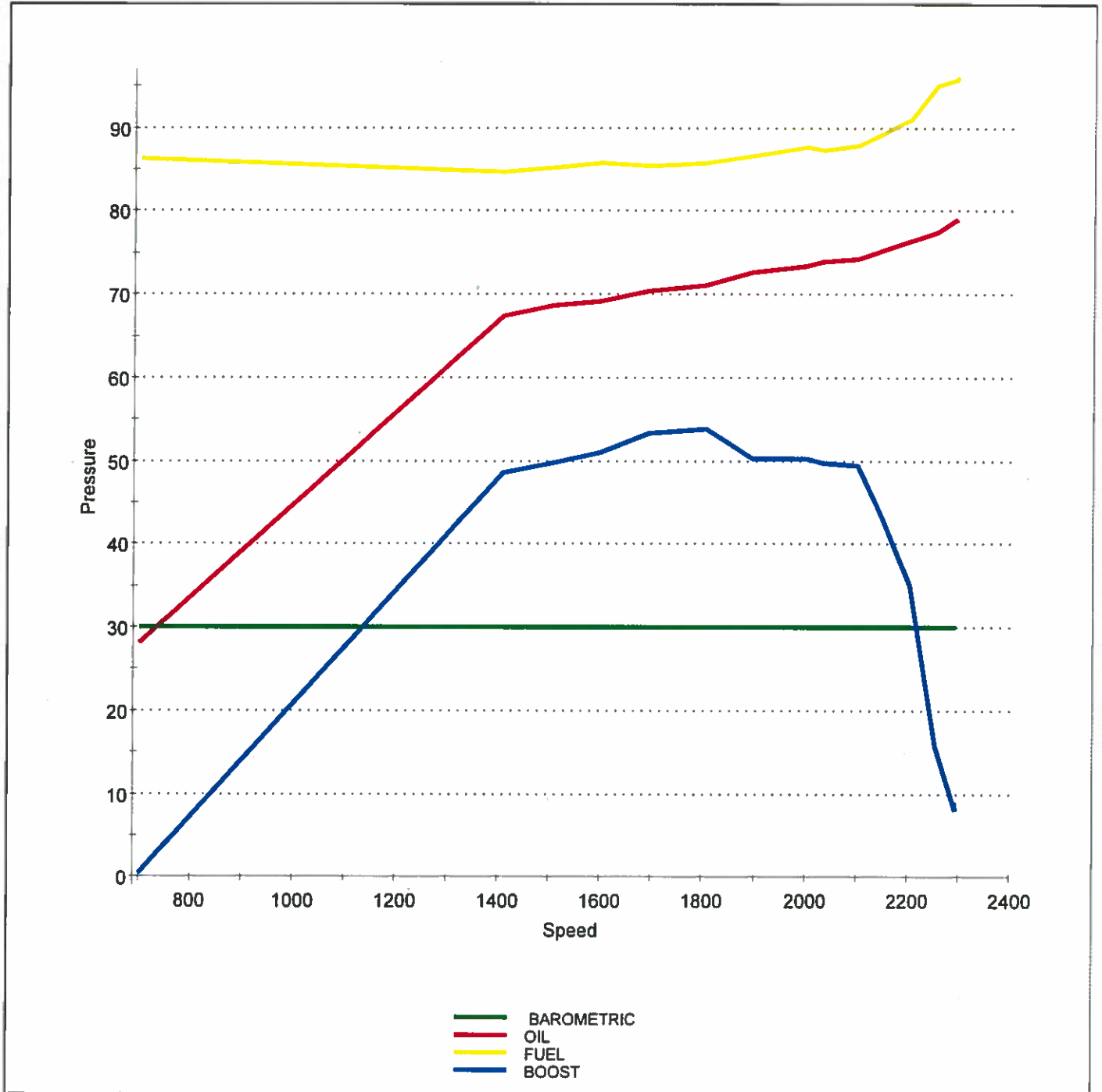
# Performance Graph



# Temperature Graph



# Pressure Graph



# Fuel Burn Graph

