

Cadence								Input Data		
	High gear			2nd High			Low gear		Item	Data
RPM	MPH	KPH	*	MPH	KPH	*	MPH	KPH	Gearset #1	52-39-30
50	16.9	27.2	-	15.6	25.2	-	3.9	6.3	Gearset #2	12-13-14-15-16-17-19-21-24-30
60	20.3	32.7	-	18.8	30.2	-	4.7	7.5	Wheel diam:	26.267 in
70	23.7	38.1	-	21.9	35.2	-	5.5	8.8	Combos:	30
80	27.1	43.6	-	25.0	40.2	-	6.3	10.1		
90	30.5	49.0	-	28.1	45.3	-	7.0	11.3		
100	33.9	54.5	-	31.3	50.3	-	7.8	12.6		
110	37.2	59.9	-	34.4	55.3	-	8.6	13.8		
120	40.6	65.4	-	37.5	60.4	-	9.4	15.1		

Split Table  
(Tooth Count Tooth Change % Overall Ratio Change)

Item	Splits (higher gears on left)
Gearset #1	52 <33% 13 25% > 39 <30% 9 23% > 30
Gearset #2	12 <8.3% 1 7.7% > 13 <7.7% 1 7.1% > 14 <7.1% 1 6.7% > 15 <6.7% 1 6.3% > 16 <6.3% 1 5.9% > 17 <12% 2 11% > 19 <11% 2 9.5% > 21 <14% 3 13% > 24 <25% 6 20% > 30

Gear Metrics

Set	**	**	gear-	ft	revs/	Seq'l	G-1	Ring
#	G-1	G-2	in	/rev	mile	% Δ	ChPsn	% Δ
1	30	30	26.3	6.88	767.8	--	*--	--
2	30	24	32.8	8.6	614.2	25.0	*--	25
3	39	30	34.1	8.94	590.6	4.0	-*-	--
4	30	21	37.5	9.82	537.5	9.9	*--	14.3
5	30	19	41.5	10.9	486.3	10.5	*--	10.5
6	39	24	42.7	11.2	472.5	2.9	-*-	25
7	52	30	45.5	11.9	443	6.7	--*	--
8	30	17	46.4	12.1	435.1	1.8	*--	11.8
9	39	21	48.8	12.8	413.4	5.2	-*-	14.3
10	30	16	49.3	12.9	409.5	1.0	*--	6.25
11	30	15	52.5	13.8	383.9	6.7	*--	6.67
12	39	19	53.9	14.1	374.1	2.6	-*-	10.5
13	30	14	56.3	14.7	358.3	4.4	*--	7.14
14	52	24	56.9	14.9	354.4	1.1	--*	25
15	39	17	60.3	15.8	334.7	5.9	-*-	11.8
16	30	13	60.6	15.9	332.7	0.6	*--	7.69
17	39	16	64	16.8	315	5.6	-*-	6.25
18	52	21	65	17	310.1	1.6	--*	14.3
19	30	12	65.7	17.2	307.1	1.0	*--	8.33
20	39	15	68.3	17.9	295.3	4.0	-*-	6.67
21	52	19	71.9	18.8	280.5	5.3	--*	10.5
22	39	14	73.2	19.2	275.6	1.8	-*-	7.14
23	39	13	78.8	20.6	255.9	7.7	-*-	7.69
24	52	17	80.3	21	251	2.0	--*	11.8
25	39	12	85.4	22.3	236.2	6.3	-*-	8.33
26	52	16	85.4	22.3	236.2	0.0	--*	6.25
27	52	15	91.1	23.8	221.5	6.7	--*	6.67
28	52	14	97.6	25.5	206.7	7.1	--*	7.14
29	52	13	105	27.5	192	7.7	--*	7.69
30	52	12	114	29.8	177.2	8.3	--*	8.33

Elapsed clocks: 0