

CRUISE PERFORMANCE

LEAN MIXTURE

Standard Conditions -- Zero Wind -- Gross Weight 2800 Pounds

RPM	MP	%BHP	GAL/ HR	TAS MPH	END. (HOURS)	RANGE (MILES)
2500 FEET						
2450	23	76	14.2	158	5.6	885
	22	72	13.4	154	5.9	910
	21	68	12.7	151	6.2	940
	20	63	12.0	148	6.6	995
2300	23	71	13.1	154	6.0	925
	22	67	12.2	149	6.5	970
	21	62	11.5	145	6.9	1055
	20	59	11.0	142	7.2	10220
2200	23	67	12.1	149	6.5	980
	22	63	11.4	146	6.9	1010
	21	59	10.8	142	7.3	1040
	20	55	10.2	138	7.7	1045
2000	20	47	8.7	126	9.1	1135
MAXIMUM	19	43	8.2	121	9.6	1170
RANGE	18	39	7.5	113	10.5	1185
SETTINGS	17	35	7.0	105	11.3	1190
5000 FEET						
2450	23	78	14.5	163	5.4	885
	22	73	13.6	159	5.8	925
	21	70	13.0	156	6.1	950
	20	65	12.2	151	6.5	985
2300	23	73	13.4	158	5.9	930
	22	69	12.6	155	6.3	965
	21	64	11.9	151	6.6	1005
	20	60	11.2	146	7.1	1035
2200	23	68	12.4	155	6.4	985
	22	64	11.7	151	6.8	1020
	21	60	11.0	146	7.2	1050
	20	57	10.5	143	7.5	1075
2000	19	45	8.5	126	9.3	1175
MAXIMUM	18	41	7.9	118	10.0	1190
RANGE	17	37	7.3	111	10.8	1200
SETTINGS	16	34	6.8	103	11.6	1190

figure 5.4 (Sheet 1 of 3)

Cruise flight was at 4,500 feet
 Engine RPM was 2350 at 76% Power
 Mixture was full rich