



NEW ZEALAND EAGLE 150 MAINTENANCE OPERATING COST ANALYSIS

1.1 MAINTENANCE COST:																					
SERVICE TYPE	ITEM	REQUIREMENT/HOURS																			
		100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
100 Hours	12 Man Hours @ \$50	•	•		•			•	•			•		•		•	•		•		11
	10 Litre of Oil	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20
	Oil Filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20
	Air Filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20
300 Hours	14 Man Hours @ \$50			•			•			•			•						•		5
	Tyres & Tubes x 3			•			•			•			•			•			•		6
	Brake Linings x 4			•			•			•			•			•			•		6
500 Hours	16 Man Hours @ \$50					•				•						•					3
	Spark Plugs x 8					•				•						•					3
	Magneto Breaker Assembly x 2					•				•						•					3
2000 Hours	32 Man Hours @ \$50																			•	1
	Engine Overhaul x 1																			•	1
	Propeller Overhaul x 1																			•	1

1.2 TOTAL MAINTENANCE COSTS AND HOURLY RATE:

SERVICE TYPE	ITEM	TOTAL	COST/UNIT	TOTAL COST (\$)
100 Hours	12 Man Hours @ \$50	11	600.00	6600.00
	10 Litre of Oil	20	56.22	1124.40
	Oil Filter	20	18.30	365.85
	Air Filter	20	10.65	213.00
300 Hours	14 Man Hours @ \$50	5	700.00	3500.00
	Tyres & Tubes x 3	6	350.50	2103.00
	Brake Linings x 4	6	50.35	302.05
500 Hours	16 Man Hours @ \$50	3	800.00	2400.00
	Spark Plugs x 8	3	320.00	960.00
	Magneto Breaker Assembly x 2	3	63.44	190.32
2000 Hours	32 Man Hours @ \$50	1	1600.00	1600.00
	Engine Overhaul x 1	1	30000.00	30000.00
	Propeller Overhaul x 1	1	470.00	470.00
Unscheduled Maintenance	Per hour @ \$2	2000	2.00	4000.00
<b>TOTAL COST \$49,828.62 / 2000 hours = HOURLY RATE.</b>				<b>\$26.91</b>

2. FUEL CONSUMPTION

DETAILS	AMOUNT
Consumption Rate	23 Litre/Hr
Total Hours	2000
Price/Litre	\$1.00
Total Fuel Cost	\$46,000.00
<b>HOURLY RATE</b>	<b>\$23.00</b>

3. TOTAL HOURLY MAINTENANCE COST:

DETAILS	AMOUNT (\$)
Maintenance	26.91
Fuel Consumption	23.00
<b>TOTAL HOURLY RATE</b>	<b>\$49.91</b>

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Note:  
Prices for aircraft parts are based on current market price.  
All quoted cost are exclusive of GST.