



Percent of **time left** on the engine is 40 %. You have 1200 left on either engine.

CAR 605.87, although the wording is ambiguous, this rule requires us to make certain considerations by referring to 625.87 Appendix F. Many people get confused regarding the number of hours available to them. When considering this, don't think of "hours" plus or minus. Think in terms of percent of hours used and hours left as per the graph above.

CAR Standard 625 provides instructions on how to do this. We can also refer to FAA Order 8900.1, Volume 3, Chapter 16 which gives us examples from a different approach. What these fine documents do not do is explain clearly what is happening.

For those of us in the senior moments club, basic algebra is a distant memory but this stuff is quite simple. Just remember that both sides of the equation must be equal at all times.

$$\frac{\text{time remaining for you (this is X)}}{\text{time remaining on previous program (this is Y)}} = \frac{\text{your approved TBO (this is A)}}{\text{previous approved TBO (this is B)}}$$

$$\frac{X}{Y} = \frac{A}{B} \text{ now multiply both sides by } Y \quad \frac{X \times Y}{Y} = \frac{A \times Y}{B} \text{ on the left the } Y\text{s cancel each other}$$

$$X = \frac{A \times Y}{B} \text{ the same as 625 Appendix F paragraph 12}$$

If this has been helpful, please pass it on.