



Trevor Boundy <trevor@boundy39.com>

FW: 78a J-3 Cub Weight and Rubber Motor

1 message

Tandy Walker <rdb435021@icloud.com>
To: Trevor Boundy <jtboundy@dcsi.net.au>

Sun, Sep 1, 2019 at 5:41 AM

From: Tandy C. Walker [mailto:tandyw@flash.net]
Sent: Wednesday, February 13, 2008 8:28 AM
To: Walker, Tandy C. <tandyw@flash.net>
Subject: 78a J-3 Cub Weight and Rubber Motor

I want to add a couple of items to last night's report for documentation purposes. What prompted me was a note I received from Larry Kruse this morning that said: [The "Dow Corning 33" is a high temperature bearing grease put out by Dow Chemical Company. It's a very good lubricant, but keep it away from the knot in the rubber! It will, through capillary action, allow the knot to untie. Once the ends of the rubber strands get the lubricant on them, it's almost impossible to re-tie them or keep them tied.](#)

This reminded me that I did not discuss the details of how Mike Midkiff tied the knot in the J-3 Cub's rubber motor. Mike tied the two ends in a square knot, put saliva on the tie, and then pulled the knot down very tight. Then he tied a second square knot over the first one. He had me stretch out the ends of the rubber on both sides of the knot and he put a drop of CA on the second knot to permanently lock it down. He told me to always do this before I lubricate any rubber motor. For those of you who have flown rubber models, this is probably common knowledge. However, for those of us who have not, this is a piece of key information.

The other item I forgot to report on was the J-3 Cub's final weight. If you recall, in Report No.76 I said that the finished weight of the J-3 Cub without the rubber motor is 79 grams (2.79 oz). With the addition of the green clay ballast weight and the flight test 8 strand 1/8" rubber motor, the all up weight is now 102 grams, which is 3.6 ounces. With the J-3 Cub's 176 sq. in. wing area, the wing loading is 2.95 oz/sq. ft. Hopefull, is a good value for a model of this size.....Tandy