



# HeliSmith

MHTjef

Long Term Report!

## Tiger 50



A few issues back you read a review by Ash Lightfoot and myself on the Audacity Tiger 50. There are many of you who have been considering this machine as your practice mule, as I have, but in my case it has become my main source of heli pleasure, so the miles have really racked up on the two that we have here.

I am approaching the 100 flight mark with one of the Tigers and decided to do a HeliSmith on my findings. Here is the list of discoveries:

- A. Get the 88 tooth main gear and the matching 10 tooth pinion from the JR parts bin. These two are a direct bolt-in and the Hyper 50 really likes this new ratio. Next might be the 11 tooth Vigor pinion.
- B. Another JR based assembly that works wonders is the Venture Series Tail-Hub, Bearings and Grips. The stock Tiger tail bearings have failed three times for me and I like that tail thingie to be Bullet -Proof. This JR assembly is a bolt-on as well.
- C. The Tiger's side frames must be made of some indestructible plastic. It seems no matter how hard one hits the ground they never break!
- D. Crashing has been a rather cheap (read: inexpensive) problem. The things that break most easily are the tailboom, blades of course, but the AH-0055 Mixer Arms always seem to bite it. Be sure you have a couple of sets.
- E. The Yellow dampners never wear out and are the best option for 3D.
- F. A Hirobo Sceadu Tail-Hub assembly will also work as well as the JR version.
- G. JR 8311 servos, although overkill, are the best mod one can do to this machine.
- H. The landing gear is the other standard crash repair part to keep on hand.
- I. VPaddles work the best for control.

It's been a very satisfying machine with continued good 3D performance and can handle a daily routine of flying. On to the next 100 .....



Here's the hot setup for a better gear ratio for the Tiger. This will allow the Hyper50 to do it's best. Due to the long reach the the typical Governor installation needs to get to the fan itself, I relied on old school pitch curve setup to get my machine sweet. This gear set really made that an easy task without the OS going ballistic in fast descents or when the disk unloaded in 3D.

JR part numbers: JRP 960002 - 88t Main Gear  
JRP 960321 - 10t Pinion.





*Here's a shot of the gears installed so you know they fit and work!*

*If you hear a "woofing" sound coming from the blades in hard 3D transitions, it is NOT the dreaded woof 'n poof syndrome. It's more than likely this bolt. Be sure it's Loctite'd and check it often.*



*And here are a couple of shots of the Tail Hub assembly from JR fitted to the Tiger. I had a few stock Tiger bearing failures and wanted to make sure that this system was solid.*

- JRP 960222 - Center Hub*
- JRP 960863 - grip assembly*
- JRP 981021 - 4x8x3 ball bearings*



*Todd Dudek has developed these dampeners for the Scedu Evo 50. The concept is that they are soft around center but the spindle can essentially bottom out, hence tighten up, when asked to do 3D aerobatics. They are working well in the MHT Evo so far! See Finally .... for more info on Todd's products.*

