



• Viscosity - Mineral Based Admixtures

g operating conditions and / or availability may warrant the use of viscosity oils. Most important to RAM is that the oil be mineral based. RAM recommends a multi-viscosity ashless dispersant mineral based oil such as Phillips 66 X/C 20W-50. [RAM service history records indicate that mineral Based AD oils perform significantly better than synthetic and synthetic oils.]

It is recommended when engine starting temperatures are below 40° that equipment can be purchased through numerous aviation supply houses, as well as through RAM's Parts Catalog.

Filter Change

commends changing the oil and filter every 50 hours or 4 months
ever occurs first. More frequent oil changes are encouraged.

ent Oil Change

- Flush out metal particles.
- Flush out acids.

out metal particles

Continental Motors (CM) engines include a proven history of normal wear that deposits normal wear particles into the oil. Oil filters contribute significantly to capturing these particles, but not as effectively as frequently changing the oil.

Ur-Cycle gasoline engines

Acids are formed when combustion by-products and unburned leak past (blow-by) the piston rings into the crankcase. Acids are. They cause rust as well as pitting of lifter faces. Acids are not removed by oil filters or by changing filters. The only way to remove acids is to remove the oil that has become acid contaminated.

made are well taken on both sides of the issue of whether to use multi grade oils. In the final analysis, you know that your aircraft is exposed to extreme temperature variations and starting conditions. Many aircraft don't fly frequently. Many aircraft don't fly enough. Successes and failures, suggests there is simply not one viscosity that is always the best for all flight environments. In general RAM sees the following:

- Multi-Viscosity Mineral Based (AD) oil performs well in high usage airplanes.
- Single Viscosity Mineral Based (AD) oil performs well in high or low usage airplanes.

Organic & Semi-Synthetic in Rx.

Service history records are much less favorable for blends or semi-synthetic oil products. RAM specifies using Mineral Based (AD) Oils only, single viscosity as conditions require.

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL RHC-53YF-1RF/E 7693F+2

PROPELLER S/N FP8906B

LOGBOOK # _____

THIS SERVICE RECORD shall be maintained concurrently with the aircraft or engine in which it is installed as part of an Aircraft or engine, this record shall be maintained concurrently with the aircraft or engine in which it is installed as part of the Aircraft and Engine Service Records.

PROPELLER MAINTENANCE RECORD

PITCH RANGE

HARTZELL PROPELLER INC
INSPECTION

Item Number: J3F09050

Date: 8/28/2016

Work Order #: M661930

Model Number PHC-J3YF-1RF/F7693F+2		Item Number: J3F09050						
Ass'y Ser No. FP8906B	Hydr Unit No. NA	Bulkhead No. NA		Valve No. NA				
Blade 1:L72962	Blade 2:L72963	Blade 3:L72964	Blade 4:	Blade 5:	Blade 6:			
Clamp 1:	Clamp 2:	Clamp 3:	Clamp 4:	Clamp 5:	Clamp 6:			
Reverse NA	Start Lock NA	Low Pitch 14.0	High Pitch 31.0	Feather NA	Position 1 T 1 0 0 0 2			
Ref Radius (inches) for angles: 30					3 L 0 0 0 0 2	A-2424-1	Washer	
Comments: Deice Kit: NA								
Packing Certified By: Inspected By: Tim Jess	Date: 8-30-16							

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.
The propeller covered by this certificate has passed a functional test as required by 14 CFR Part 21.137(e)(2).

Spinner Assembly

Late Aircraft Repair LLC

Date

9/1/2017 Tach 4191.82 N13KS T210L Hartzell PHC-J3YF-1RF/F7693 SN FP8906B

Install propeller SN FP8906B on N13KS SN 2106020 IAW STC SA10615SC-D and Hartzell manual 115N.
Propeller dynamically balanced to .08 IPS @ 2300 RPM.

I certify that this Propeller has been inspected in accordance with a 100/annual inspection and is found to be in an Airworthy condition at this time.

Kevin Late AP3112349IA

Kevin Late

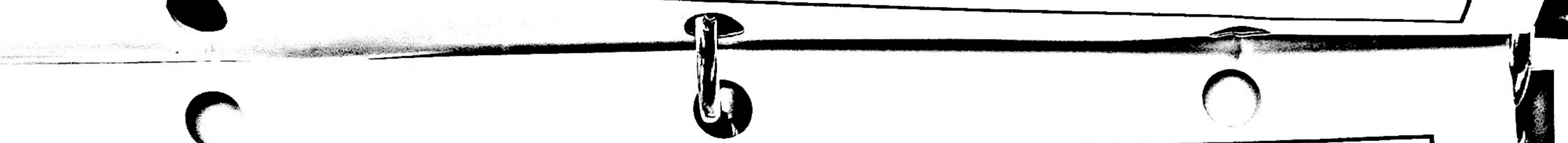
Late Aircraft Repair

8/6/2018 Tach 4253.03 TSNEW 61.21 N13KS Hartzell PHC-J3YF-1RF SN FP8906B

Lube hub using Aeroshell 6 grease. Dress blades as needed.

I certify that this Propeller has been inspected in accordance with a 100hr/Annual inspection and is found to be in an Airworthy condition at this time.

Kevin Late AP3112349IA

Kevin Late

07/05/2022	4401.03 Tach 209.21 PTT	Removed propeller from N13KS, Cessna T210L, S/N 21060202, due to leading edge damage to blades. Maint. Mclennan ABP 501904860
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29 JUL 2022

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MAINTENANCE PERFORMED AMO # 105-99

PROPELLER REPAIRED

Under Work Order Number

12828

The performed maintenance, as duly noted above, has been carried out in accordance with applicable airworthiness requirements as described on the maintenance release.

DRIPWORKS PROPELLER SYSTEMS INC.

A.M.O. # 105-99 (WINNIPEG, MANITOBA)

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MICHAEL HUDEC

STAMP

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