



# OIL REPORT

LAB NUMBER: Q10998

UNIT ID: G-STRV

REPORT DATE: 8/25/2022

CLIENT ID:

CODE: 63/68

PAYMENT: CC: MC

**UNIT**

MAKE/MODEL: Lycoming Y10-390

FUEL TYPE: Gasoline (Leaded)

ADDITIONAL INFO: Vans RV14, S/N: LAA 393-15500

OIL TYPE &amp; GRADE: Aeroshell 100

OIL USE INTERVAL: 5 Hours

**CLIENT**

PHONE:

FAX:

ALT PHONE:

EMAIL:

First  
sample at  
5hrs

**COMMENTS**

STEVE: 12 months of inactivity could've resulted in corrosion, but because preservation oil was kept in place until the first run, no significant corrosion formed. It shows up as aluminum and iron in testing, and both metals are appropriately low. There's probably some wearing in left to do, so we won't be surprised if copper and silicon stay high for a while - from bronze parts building clearances and sealers. By the time the engine has ~100 hours on it, the results should look more like universal averages (based on ~35 hours). The viscosity is a bit low for 100, and that's okay.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	5							
	Sample Date	7/27/2022							
	Make Up Oil Added	0.5 qts							
	ALUMINUM	4							4
	CHROMIUM	1							3
	IRON	4							15
	COPPER	9							7
	LEAD	411							3095
	TIN	0							1
	MOLYBDENUM	0							0
	NICKEL	0							1
	MANGANESE	0							0
	SILVER	0							0
	TITANIUM	0							0
	POTASSIUM	0							0
	BORON	3							0
	SILICON	15							7
	SODIUM	4							2
	CALCIUM	14							43
	MAGNESIUM	3							3
	PHOSPHORUS	48							258
	ZINC	4							5
	BARIUM	0							0

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	84.3	86-105					
	cSt Viscosity @ 100°C	16.60	17.0-21.8					
	Flashpoint in °F	530	>460					
	Fuel %	<0.5	<1.0					
	Antifreeze %	-						
	Water %	0.0	0.0					
	Insolubles %	0.2	<0.6					
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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