

HEINEN AVIATION/HETRICK AVIATION  
Attn: GRANT SANDMANN  
1226 104TH RD

Aircraft:  
S/N: 02071  
Tail No.: N171CS

Date: 4/29/2025  
Engine S/N: 1011018  
Engine Model: CONT. T550

SENECA KS 66538  
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See [www.avlab.com/explain](http://www.avlab.com/explain) for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.											<input checked="" type="button" value="Normal"/> <input type="button" value="Elevated"/> <input type="button" value="High"/>			
<b>Sample Date:</b> 4/21/2025 <b>Analysis Date:</b> 4/25/2025 <b>Sample Number:</b> P32 <b>Cylinder Type:</b> unknown  <b>TSN/TSO:</b> 685 <b>Oil Hours:</b> 33.3 <b>Filter Hours:</b> 33.3  <b>Oil Added:</b> <b>Filter Wt. (mgs):</b> <b>Flashpoint(deg. F):</b> <b>H2O (ppm):</b> <b>Total Acid No.:</b>		<b>*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***</b>														
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
		102.5	4.7	19.1	9.1	N/A	N/A	7.5	3119	4.2	N/A	< 0.1	N/A			
		(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)				
		<b>*** FILTER ANALYSIS RESULTS ***</b>														
		<b>Material:</b>	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.				
		<b>Amount:</b>														
		<b>Type:</b>														
		<b>Form:</b>														
<b>Comments:</b> ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.																

PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.											<input checked="" type="button" value="Normal"/> <input type="button" value="Elevated"/> <input type="button" value="High"/>			
<b>Sample Date:</b> 10/13/2017 <b>Analysis Date:</b> 10/19/2017 <b>Sample Number:</b> P89 <b>Cylinder Type:</b> unknown  <b>TSN/TSO:</b> 426.6 <b>Oil Hours:</b> 128 <b>Filter Hours:</b> 128 <b>Oil Added:</b> 9 <b>Filter Wt. (mgs):</b> <b>Flashpoint(deg. F):</b> <b>H2O (ppm):</b> <b>Total Acid No.:</b>		<b>*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***</b>														
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
		60.0	7.0	9.9	8.3	N/A	N/A	6.0	6144	2.2	N/A	< 0.1	N/A			
		(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)				
		<b>*** FILTER ANALYSIS RESULTS ***</b>														
		<b>Material:</b>	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.				
		<b>Amount:</b>														
		<b>Type:</b>														
		<b>Form:</b>														
<b>Comments:</b> ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.																