

FLY ADVANCED (AAS)  
Attn: JOEL GLOVER  
530/540 AIRPORT RD

Aircraft: CIRRUS SR22  
S/N: 2288  
Tail No.: N335A

Date: 2/20/2020  
Engine S/N: 689998  
Engine Model: CONT. 550

LITITZ PA 17543  
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		** SEE LAB COMMENTS **										Normal	Elevated	High
<b>Sample Date:</b> 2/11/2020 <b>Analysis Date:</b> 2/19/2020 <b>Sample Number:</b> P21 <b>Cylinder Type:</b> steel  <b>TSN/TSO:</b> 916.9 <b>Oil Hours:</b> 25.9 <b>Filter Hours:</b> 25.9  <b>Oil Added:</b> <b>Filter Wt. (mgs):</b> <b>Flashpoint(deg. F):</b> <b>H2O (ppm):</b> <b>Total Acid No.:</b>	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	77.1 (41.0)	1.8 (4.0)	7.3 (7.8)	4.9 (5.7)	N/A	N/A	4.6 (6.4)	3362 (3935)	1.9 (5.1)	N/A	< 0.1 (0.1)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	<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> NOTE INCREASE IN IRON. IRON CAN TYPICALLY BE FROM CORROSION FROM AIRCRAFT INACTIVITY, WEAR FROM CYLINDERS, ROTATING SHAFTS OR THE VALVE TRAIN. ALL OTHER OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE. PLEASE CONTACT THE ENGINE MANUFACTURER'S SERVICE REP IF FURTHER ASSISTANCE IS NEEDED.														
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
<b>Sample Date:</b> 2/4/2019 <b>Analysis Date:</b> 2/13/2019 <b>Sample Number:</b> P03 <b>Cylinder Type:</b> steel  <b>TSN/TSO:</b> 899.3 <b>Oil Hours:</b> 12.8 <b>Filter Hours:</b> 12.8  <b>Oil Added:</b> <b>Filter Wt. (mgs):</b> <b>Flashpoint(deg. F):</b> <b>H2O (ppm):</b> <b>Total Acid No.:</b>	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	20.6 (41.6)	0.8 (4.3)	5.9 (6.6)	2.8 (6.1)	N/A	N/A	1.2 (7.7)	2268 (2966)	2.1 (4.9)	N/A	< 0.1 (0.0)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	<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 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
<b>Sample Date:</b> 10/16/2018 <b>Analysis Date:</b> 10/26/2018 <b>Sample Number:</b> P47 <b>Cylinder Type:</b> steel  <b>TSN/TSO:</b> 2270.4 <b>Oil Hours:</b> 31 <b>Filter Hours:</b> 31  <b>Oil Added:</b> <b>Filter Wt. (mgs):</b> <b>Flashpoint(deg. F):</b> <b>H2O (ppm):</b> <b>Total Acid No.:</b>	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	55.2 (36.6)	2.2 (4.1)	9.5 (7.0)	4.2 (5.7)	N/A	N/A	5.0 (6.0)	4152 (4070)	1.4 (5.2)	N/A	< 0.1 (0.1)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	<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.														

