

IAN JOHNSTON
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Aircraft: CHAMPION
S/N: 428
Tail No.: N4399C

Date: 12/3/2019
Engine S/N: 4266014
Engine Model: CONT. C90

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 for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE	SAMPLE APPEARS NORMAL. Send next sample at normal interval.											Normal	Elevated	High	
Sample Date: 9/28/2019 Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown TSN/TSO: 326.6 Oil Hours: unknown Filter Hours: 52 Oil Added: 2 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***														
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
	14.0	3.5	0.3	< 0.1	N/A	N/A	6.1	2844	2.3	N/A	< 0.1	N/A			
	(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)				
	*** FILTER ANALYSIS RESULTS ***														
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.					
Amount:															
Type:															
Form:															

Comments: 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.											Normal	Elevated	High	
Sample Date: 12/7/2018 Analysis Date: 12/21/2018 Sample Number: P99 Cylinder Type: unknown TSN/TSO: 236.5 Oil Hours: 50 Filter Hours: 50 Oil Added: 2 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***														
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
	17.9	4.6	1.3	0.2	N/A	N/A	7.3	2894	3.3	N/A	< 0.1	N/A			
	(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)				
	*** FILTER ANALYSIS RESULTS ***														
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.					
Amount:															
Type:															
Form:															

Comments: 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	
Sample Date: 6/17/2017 Analysis Date: 11/16/2017 Sample Number: P34 Cylinder Type: unknown TSN/TSO: 121.2 Oil Hours: 25 Filter Hours: Oil Added: Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***														
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
	31.0	6.4	0.9	1.0	N/A	N/A	9.8	1455	4.7	N/A	0.5	N/A			
	(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)				
	*** FILTER ANALYSIS RESULTS ***														
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.					
Amount:															
Type:															
Form:															

Comments: CIF ESN: 42661014 ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.

