

IAN JOHNSTON Attn: IAN JOHNSTON 3518 FREMONT AVE N #103 SEATTLE WA 98103 United States Aircraft: CHAMPION S/N: 428 Tail No.: N4399C Date: 12/24/2018 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: 12/7/2018				*** OIL	. ANALY	SIS RESULT	S IN PARTS	PER M	IILLION *	**		
Analysis Date: 12/21/2018	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
Sample Number: P99	17.9	4.6	1.3	0.2	N/A	N/A	7.3	2894	3.3	N/A	< 0.1	N/A
Cylinder Type: unknown	(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)	
					*** F	ILTER ANA	LYSIS RESU	LTS **	*			
TSN/TSO: 236.5			Stainles	s Carbon	Alloy							
Oil Hours: 50		Material:	Steel	Steel	Stee	-	Copper	Silver	Magn.	Alum.	Grit	Misc.
Filter Hours: ⁵⁰		Amount:										
Oil Added: ²		Type:										
Filter Wt. (mgs):		Type.										
Flashpoint(deg. F):												
H20 (ppm):		Form:										
Total Acid No.:												
Comments: ALL OIL VALUES SEEM FIN	L NE. WE V	VILL CONT	INUE TO	MONITOR TH	HIS ENG	INE WITH YO	UR NEXT SAM	APLE.				
PREVIOUS SAMPLE 1	SAMPL	E APPEAR	S NORM		•	at normal inte				Normal	Elevated	High
Sample Date: 6/17/2017		· · · ·				SIS RESULT		PER M	IILLION *	**		· ·
Analysis Date: 11/16/2017	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
Sample Number: P34	31.0	6.4	0.9	1.0	N/A	N/A	9.8	1455	4.7	N/A	0.5	N/A
Cylinder Type: unknown	(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)	
*** FILTER ANALYSIS RESULTS ***												
TSN/TSO: 121.2			Stainles	s Carbon	Alloy	/ Bearing	Copper	Silver	Magn.	Alum.	Grit	Misc.
Oil Hours: 25		Material:	Steel	Steel	Stee	l Alloy	eeppe.	0	magni		0.11	
Filter Hours:		Amount:										
Oil Added:		Type:										
Filter Wt. (mgs):												
Flashpoint(deg. F):		Form										
H20 (ppm):		Form:										
Total Acid No.:												
Comments: CIF ESN: 42661014 ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.												
PREVIOUS SAMPLE 2	SAMDI			AL Cond nov	toomnlo	ot normal int	anvol			Normal	Elovatod	High
Sample Date: 10/14/2017	JAMPL	LAFFEAR	5 NORM		•	at normal inte					Elevated	High
Analysis Date: 11/2/2017					-	SIS RESULT						1
Sample Number: P58	Iron	Copper	Nickel	•		Magnesium	() () () () () () () () () ()		Silicon	Titanium	Tin	Moly.
	27.1	6.0	1.3	1.1	N/A	N/A	7.9	2303	3.6	N/A	0.7	N/A
Cylinder Type: unknown	(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)	
	*** FILTER ANALYSIS RESULTS ***											
TSN/TSO: 162.7		Matarial	Stainles		Alloy	-	Copper	Silver	Magn.	Alum.	Grit	Misc.
Oil Hours: 50		Material:	Steel	Steel	Stee	l Alloy			Ū			
Filter Hours: ⁵⁰		Amount:										
Oil Added: ⁴		Туре:										
Filter Wt. (mgs):												
Flashpoint(deg. F):		F .										
H20 (ppm):		Form:										
Total Acid No.:												
Comments: ALL OIL VALUES SEEM FIN	NE. WE V	VILL CONT	INUE TO	MONITOR TH	HIS ENG	INE WITH YO	UR NEXT SAM	APLE.				