

IAN JOHNSTON Attn: IAN JOHNSTON 3518 FREMONT AVE N #103

SEATTLE WA 98103

United States

Aircraft: CHAMPION S/N: 428

Tail No.: N4399C

Date: 3/3/2022 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

CURRENT SAMPLE	SAMDI	EADDEAD	S NODMA	I Sond next	cample	at normal inte	rval			Normal	Elevated	Llink
	SAMPL	E APPEAR	5 NURWA		•						Elevaled	High
Sample Date: 2/12/2022						SIS RESULT						
Analysis Date: 3/2/2022	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly
Sample Number: P37	16.7	5.3	2.1	1.0	N/A	N/A	18.6	3893	3.6	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 ANAL	YSIS RESU	LTS ***	+			
TSN/TSO: 494			Stainless	Carbon	Alloy	Bearing	Copper	Silver	Magn.	Alum.	Grit	Misc
Oil Hours: 50		Material:	Steel	Steel	Steel	Alloy	Оорреі	Silvei	magii.	Alulli.	Ont	Willoc
Filter Hours: ⁵⁰		Amount:										
Oil Added: ³		Type:										
Filter Wt. (mgs):		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
Flashpoint(deg. F):	<u> </u>											
H20 (ppm):		Form:										
Total Acid No.:												
omments: ALL OIL VALUES SEEM F	INF WF V	VILL CONT	INUE TO N	MONITOR TH	IIS FNGII	NF WITH YOU	JR NEXT SAM	MPI F				
CHIMICHOT ALL OIL WILESES SELINI		VIEE GOITT		JOHN ON THE	no Erron	THE WITH TOO	7111E/11 G/1	VII EE:				
PREVIOUS SAMPLE 1	SAMPL	E APPEAR	S NORMA	L. Send next	sample	at normal inte	rval.			Normal	Elevated	High
Sample Date: 5/22/2021	Т			*** OIL	ANALY	SIS RESULT	S IN PARTS	PER M	ILLION *	**		
Analysis Date: 6/11/2021	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly
Sample Number: P31	10.8	2.8	0.2	0.2	N/A	N/A	10.8	2591	4.9	N/A	0.3	N/A
Cylinder Type: unknown	(N/A)	(N/A)	(N/A)	(N/A)			(N/A)	(N/A)	(N/A)		(N/A)	
					*** F	ILTER ANAL	VSIS RESII	ITS ***	*			
TSN/TSO: 443.4			Stainless	Carbon	Alloy		TOIO INEGO					
Oil Hours: 33		Material:	Steel	Steel	Steel	Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc
Filter Hours: 33		Amount:										
Oil Added: ²		Type:										
Filter Wt. (mgs):												
Flashpoint(deg. F):		Form:										
H20 (ppm): Total Acid No.:												
omments: ALL OIL VALUES SEEM F	NE. WE V	VILL CONT	INUE TO N	MONITOR TH	IIS ENGI	NE WITH YOU	JR NEXT SAM	MPLE.				
PREVIOUS SAMPLE 2	SAMPI	F APPFAR	S NORMA	Send next	sample :	at normal inte	rval			Normal	Elevated	High
	T	_ /	O ITOTAIN T		•			DED M	ILLION **		Liovatoa	111911
Sample Date: 9/28/2019					ANALY			PERIN	ILLION **		- :	Make
Sample Date: 9/28/2019		10		0.1		SIS RESULT			1 0.11		Tin	Moly
Analysis Date: 12/2/2019	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium		
Analysis Date: 12/2/2019 Sample Number: P69	14.0	3.5	0.3	Chromium < 0.1			Aluminum 6.1	2844	2.3	N/A	< 0.1	N/A
Analysis Date: 12/2/2019		1		Chromium	Silver N/A	Magnesium N/A	Aluminum 6.1 (N/A)	2844 (N/A)	2.3 (N/A)			N/A
Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown	14.0	3.5	0.3	Chromium < 0.1	Silver N/A	Magnesium	Aluminum 6.1 (N/A)	2844 (N/A)	2.3 (N/A)		< 0.1	N/A
Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown TSN/TSO: 326.6	14.0 (N/A)	3.5 (N/A)	0.3 (N/A)	Chromium < 0.1 (N/A)	N/A *** F	Magnesium N/A ILTER ANAL Bearing	6.1 (N/A) YSIS RESU	2844 (N/A) LTS ***	2.3 (N/A)	N/A	< 0.1 (N/A)	
Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown	14.0 (N/A)	3.5 (N/A)	0.3 (N/A)	Chromium < 0.1 (N/A)	Silver N/A	Magnesium N/A	Aluminum 6.1 (N/A)	2844 (N/A)	2.3 (N/A)		< 0.1	N/A Misc
Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown TSN/TSO: 326.6 Oil Hours: unknown Filter Hours: 52	14.0 (N/A)	3.5 (N/A)	0.3 (N/A)	Chromium < 0.1 (N/A)	N/A *** F	Magnesium N/A ILTER ANAL Bearing	6.1 (N/A) YSIS RESU	2844 (N/A) LTS ***	2.3 (N/A)	N/A	< 0.1 (N/A)	
Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown TSN/TSO: 326.6 Oil Hours: unknown	14.0 (N/A)	3.5 (N/A) Material:	0.3 (N/A)	Chromium < 0.1 (N/A)	N/A *** F	Magnesium N/A ILTER ANAL Bearing	6.1 (N/A) YSIS RESU	2844 (N/A) LTS ***	2.3 (N/A)	N/A	< 0.1 (N/A)	
Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown TSN/TSO: 326.6 Oil Hours: unknown Filter Hours: 52	14.0 (N/A)	3.5 (N/A)	0.3 (N/A)	Chromium < 0.1 (N/A)	N/A *** F	Magnesium N/A ILTER ANAL Bearing	6.1 (N/A) YSIS RESU	2844 (N/A) LTS ***	2.3 (N/A)	N/A	< 0.1 (N/A)	
Analysis Date: 12/2/2019 Sample Number: P69 Cylinder Type: unknown TSN/TSO: 326.6 Oil Hours: unknown Filter Hours: 52 Oil Added: 2	14.0 (N/A)	3.5 (N/A) Material: Amount: Type:	0.3 (N/A)	Chromium < 0.1 (N/A)	N/A *** F	Magnesium N/A ILTER ANAL Bearing	6.1 (N/A) YSIS RESU	2844 (N/A) LTS ***	2.3 (N/A)	N/A	< 0.1 (N/A)	
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):	14.0 (N/A)	3.5 (N/A) Material:	0.3 (N/A)	Chromium < 0.1 (N/A)	N/A *** F	Magnesium N/A ILTER ANAL Bearing	6.1 (N/A) YSIS RESU	2844 (N/A) LTS ***	2.3 (N/A)	N/A	< 0.1 (N/A)	