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910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-6751

OWNER NAME
Attn: OWNER NAME
1 MAIN ST

ANYTOWN 00000
United States

Aircraft: GEN A
S/N: 00000000
Tail No.: N0000X

Date: 4/5/2024
Engine S/N: 00000X
Engine Model: GEN. ENG

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: 3/29/2024
Analysis Date: 4/3/2024
Sample Number: P89
Cylinder Type: steel

TSN/TSO: unknown
Oil Hours: unknown
Filter Hours:
Oil Added:
Filter Wt. (mgs): 121
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
15.3 (N/A)	12.1 (N/A)	0.4 (N/A)	3.7 (N/A)	N/A	N/A	3.8 (N/A)	854 (N/A)	3.9 (N/A)	N/A	< 0.1 (N/A)	N/A

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:		Trace 0-10%						Trace 0-10%	Major 40-100%	
Type:										
Form:		Fines						Fines		

Comments: ALL METALLIC DEBRIS REMOVED FROM THE FILTER SEEMS TO BE NORMAL ENGINE WEAR. ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.

PREVIOUS SAMPLE 1

** SEE LAB COMMENTS ** Normal | Elevated | High

Sample Date: 1/25/2024
Analysis Date: 1/30/2024
Sample Number: P90
Cylinder Type: steel

TSN/TSO: 518.1
Oil Hours: 43
Filter Hours: 43
Oil Added: 5
Filter Wt. (mgs): 241
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
30.2 (37.4)	13.0 (7.7)	0.5 (1.2)	4.1 (4.0)	N/A	N/A	6.8 (8.8)	1510 (2672)	3.7 (7.5)	N/A	< 0.1 (0.6)	N/A

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:		Trace 0-10%	Trace 0-10%					Trace 0-10%	Major 40-100%	
Type:			AMS# 6274							
Form:		Fines	Flakes					Fines		

Comments: THE CHIPS SENT AS WELL AS A TRACE AMOUNT OF DEBRIS REMOVED FROM THE FILTER CONSISTS OF ALLOY STEEL, CLOSEST MATCH AMS# 6274, WITH THE LARGEST PIECE MEASURING 2342 X 2052 MICRONS. ALL 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.