

**OIL ANALYSIS REPORT** 

WEAR CONTAMINATION FLUID CONDITION

UNKNOWN UNKNOWN

Area

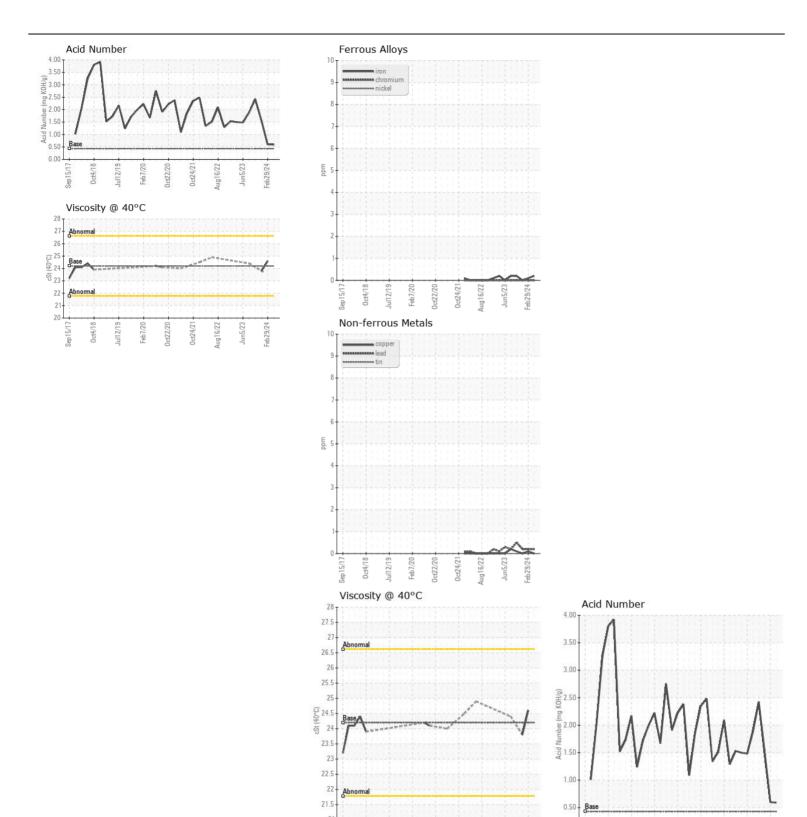
(C208) ALKAN AIR LTD [53335]

[C208] CESSNA 208 P-123179 (S/N 20800374)

Jet Turbine

EASTMAN TURBO OIL 2380 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GT57162	GT57636	GT56138
Sample Date		Client Info		29 May 2024	29 Feb 2024	01 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		290	134	23
Filter Age	hrs	Client Info		157	134	23
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status					NORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>8	<1	<1	0
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>2	<1	<1	1
Lead	ppm	ASTM D5185(m)	>3	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>3	0	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Magnesium	ppm	ASTM D5185(m)	0	<1	0	<1
Acid Number (AN)	mg KOH/g	ASTM D974*	0.43	0.59	0.60	<b>△</b> 1.54
Visc @ 40°C	cSt	ASTM D7279(m)	24.2		24.6	23.8
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Silver Aluminum Lead Copper Water Magnesium Acid Number (AN)	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Water  Magnesium ppm Acid Number (AN) mg KOH/g	Sample Number Sample Date Client Info Client Info Machine Age hrs Client Info Oil Age hrs Client Info Sample Status  Iron ppm ASTM D5185(m) Chromium ppm ASTM D5185(m) Nickel ppm ASTM D5185(m) Aluminum ppm ASTM D5185(m) Lead ppm ASTM D5185(m) Copper ppm ASTM D5185(m) Water WC Method Magnesium ppm ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	Sample Number Sample Date Client Info  Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Client Info Oil Changed Client Info Client Info Client Info Client Info Filter Changed Sample Status  Iron ppm ASTM D5185(m) Sample Status  Iron ppm ASTM D5185(m) S2 Nickel ppm ASTM D5185(m) S2 Silver ppm ASTM D5185(m) S2 Aluminum ppm ASTM D5185(m) S2 Lead ppm ASTM D5185(m) S2 Lead ppm ASTM D5185(m) S3 Copper ppm ASTM D5185(m) S3 Water WC Method S0.1  Magnesium ppm ASTM D5185(m) O Acid Number (AN) mg KOH/g ASTM D974* O.43	Sample Number         Client Info         GT57162           Sample Date         Client Info         29 May 2024           Machine Age         hrs         Client Info         0           Oil Age         hrs         Client Info         290           Filter Age         hrs         Client Info         157           Oil Changed         Client Info         N/A           Filter Changed         Client Info         N/A           Sample Status             Iron         ppm         ASTM D5185(m)         >8         <1           Chromium         ppm         ASTM D5185(m)         >2         0           Nickel         ppm         ASTM D5185(m)         >2         0           Aluminum         ppm         ASTM D5185(m)         >2         <1           Lead         ppm         ASTM D5185(m)         >3         <1           Copper         ppm         ASTM D5185(m)         >3         <1           Water         WC Method         >0.1         NEG           Magnesium         ppm         ASTM D5185(m)         0         <1           Acid Number (AN)         mg KOH/g         ASTM D974*         0.43         0.59<	Sample Number         Client Info         GT57162         GT57636           Sample Date         Client Info         29 May 2024         29 Feb 2024           Machine Age         hrs         Client Info         0         0           Oil Age         hrs         Client Info         290         134           Filter Age         hrs         Client Info         N/A         N/A           Oil Changed         Client Info         N/A         N/A           Filter Changed         Client Info         N/A         N/A           Sample Status          NORMAL           Iron         ppm         ASTM D5185(m)         >8         <1         <1           Chromium         ppm         ASTM D5185(m)         >2         0         0           Nickel         ppm         ASTM D5185(m)         >2         0         0           Silver         ppm         ASTM D5185(m)         >2         <1         <1           Lead         ppm         ASTM D5185(m)         >3         <1         <1           Copper         ppm         ASTM D5185(m)         >3         <1         <1           Water         WC Method         >0.1         NEG





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : GT57162 Lab Number : 02639736 Unique Number : 5788898

20.5

Received Tested

: 04 Jun 2024 Diagnosed

**Honeywell Engines** 111 S. 34th Street, 301 Receiving, Attn: SOAP Program PHOENIX, AZ

US 85034 Contact: GARRETT

T:

Test Package : G331 ( Additional Tests: ICP ) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

F: (602)365-2676

Contact/Location: GARRETT ? - HONPHO