

### (C-GZQK) Machine Id [C-GZQK] TAIL #923 BC3

Chip Detector Jet Turbine

## {not provided} (--- GAL)

RECOMMENDATION

We recommend a resample in 25 hours to monitor this sample.

Test

Sulfur

ppm

ASTM D5185(m)

Sample Number

UOM

Method

Client Info

Limit/Abn

# WEAR ABNORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Current

PP

History1

History2

Sample Number		Client into		PP	 
Sample Date		Client Info		21 Jan 2024	 
Machine Age	hrs	Client Info		0	 
Oil Age	hrs	Client Info		0	 
Filter Age	hrs	Client Info		0	 
Oil Changed		Client Info		N/A	 
Filter Changed		Client Info		N/A	 
Sample Status				ABNORMAL	 
Iron	ppm	ASTM D5185(m)	>8	218	 
Chromium	ppm	ASTM D5185(m)	>2	0	 
Nickel	ppm	ASTM D5185(m)	>2	103	 
Titanium	ppm	ASTM D5185(m)	>2	0	 
Silver	ppm	ASTM D5185(m)	>2	<1	 
Aluminum	ppm	ASTM D5185(m)	>2	2	 
Lead	ppm	ASTM D5185(m)	>3	0	 
Copper	ppm	ASTM D5185(m)	>3	0	 
Tin	ppm	ASTM D5185(m)	>2	2	 
Vanadium	ppm	ASTM D5185(m)		0	 
Ferrous Rubbing	Scale 0-10	ASTM D7684*			
Ferrous Sliding	Scale 0-10	ASTM D7684*			
Ferrous Cutting	Scale 0-10	ASTM D7684*		<b></b> 2	
Ferrous Rolling	Scale 0-10	ASTM D7684*			
Ferrous Break-in	Scale 0-10	ASTM D7684*			
Ferrous Spheres	Scale 0-10	ASTM D7684*			
Ferrous Black Oxides	Scale 0-10	ASTM D7684*			
Ferrous Red Oxides	Scale 0-10	ASTM D7684*			
Ferrous Corrosive	Scale 0-10	ASTM D7684*			
Ferrous Other	Scale 0-10	ASTM D7684*			
Nonferrous Rubbing	Scale 0-10	ASTM D7684*			
Nonferrous Sliding	Scale 0-10	ASTM D7684*			
Nonferrous Cutting	Scale 0-10	ASTM D7684*			
Nonferrous Rolling	Scale 0-10	ASTM D7684*			
Nonferrous Other	Scale 0-10	ASTM D7684*			
Patch Weight	mg	ASTM D7684*		NA	 
Silicon	ppm	ASTM D5185(m)	>8	6	 
Water		WC Method	>0.1	NEG	 
Sand/Dirt	Scale 0-10	ASTM D7684*			
Fibres	Scale 0-10	ASTM D7684*			
Spheres	Scale 0-10	ASTM D7684*			
Other	Scale 0-10	ASTM D7684*			
Molybdenum	ppm	ASTM D5185(m)		0	 
Manganese	ppm	ASTM D5185(m)		<1	 
Magnesium	ppm	ASTM D5185(m)		1	 
Calcium	ppm	ASTM D5185(m)		48	 
Zinc	ppm	ASTM D5185(m)		2	 
0 1/		LOTH DELOT			

# WEAR

One particle was submitted from a chip detector for analysis. The particle is strongly magnetic and measures 7.20mm x 0.14mm. The particle was oxidized, and digestion of the particle was difficult. ICP Spectrometric analysis indicates the particle is likely nickel. Form is stringer.

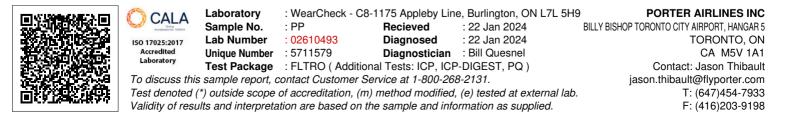


### FLUID CONDITION

{not applicable}

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# Magn: 10x Illum: RW



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