

PROBLEM SUMMARY

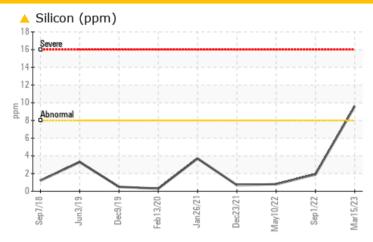
(C-GLJV) Machine Id [C-GLJV] KING AIR B200 PCE94336

Right Jet Turbine

BP TURBO OIL 2380 (--- GAL)

Sample Rating Trend DIRT Sample Rating Trend DIRT Sample Rating Trend DIRT

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Check seals and/or filters for points of contaminant entry. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	NORMAL	NORMAL	
Silicon	ppm	ASTM D5185(m)	>8	10	2	<1	

Customer Id: FASWIN Sample No.: WC0796159 Lab Number: 02547190 Test Package: AVI 3

To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample			?	We recommend an early resample to monitor this condition.
Check Seals			?	Check seals and/or filters for points of contaminant entry.

HISTORICAL DIAGNOSIS

01 Sep 2022 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



10 May 2022 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

23 Dec 2021 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



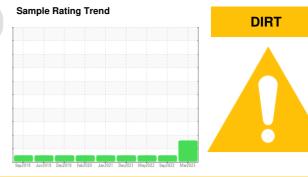


OIL ANALYSIS REPORT

(C-GLJV) Machine Id [C-GLJV] KING AIR B200 PCE94336

Right Jet Turbine

BP TURBO OIL 2380 (--- GAL)



DIAGNOSIS

Recommendation

Check seals and/or filters for points of contaminant entry. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system.

Contaminants

Elemental level of silicon (Si) above normal indicating ingress of seal material. The water content is negligible.

Oil Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0796159	WC0727697	WC0698296
Sample Date		Client Info		15 Mar 2023	01 Sep 2022	10 May 2022
TSN	hrs	Client Info		7485	7274	7091
TSO	hrs	Client Info		3727	3516	3333
Oil Age	hrs	Client Info		211	1888	1705
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>8	<1	0	0
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	<1	0	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>2	<1	0	0
Lead	ppm	ASTM D5185(m)	>3	<1	0	<1
Copper	ppm	ASTM D5185(m)	>3	0	0	<1
Tin	ppm	ASTM D5185(m)	>2	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
Cadmium ADDITIVES	ppm	ASTM D5185(m) method	limit/base	0 current	0 history1	0 history2
	ppm	()	limit/base	-		
ADDITIVES		method	0	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185(m)	0	current <1	history1 <1	history2 <1
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185(m) ASTM D5185(m)	0	current <1 0	history1 <1 0	history2 <1 0
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0	current <1 0 0	history1 <1 0 0	history2 <1 0 0
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0	<pre>current <1 0 0 0 0</pre>	history1 <1 0 0 0 0	history2 <1 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0	current <1 0 0 0 0 0	history1 <1 0 0 0 0	history2 <1 0 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 0 0 0 2500	current <1 0 0 0 0 0 0	history 1 <1 0 0 0 0 0 0 0	history2 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 0 2500	current <1 0 0 0 0 0 2156	history1 <1 0 0 0 0 0 1540	history2 <1 0 0 0 0 0 0 0 1576
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 0 2500	current <1 0 0 0 0 0 2156	history1 <1 0 0 0 0 0 0 1540 2	history2 <1 0 0 0 0 0 1576
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 0 2500	current <1 0 0 0 0 0 2156 1 2	history1 <1 0 0 0 0 0 0 1540 2 3	history2 <1 0 0 0 0 0 1576 2 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 0 2500	current <1 0 0 0 0 0 2156 1 2 <1	history1 <1 0 0 0 0 0 1540 2 3 <1	history2 <1 0 0 0 0 0 1576 2 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 0 2500 0	current <1 0 0 0 0 0 2156 1 2 <1 current	history1 <1 0 0 0 0 0 1540 2 3 <1 history1	history2 <1 0 0 0 0 0 1576 2 0 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 0 2500 0	current <1 0 0 0 0 0 2156 1 2 <1 current ▲ 10	history1 <1 0 0 0 0 0 1540 2 3 <1 history1 2	history2 <1 0 0 0 0 0 1576 2 0 0 history2 <1
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 2500 0 0 limit/base	current <1 0 0 0 0 0 2156 1 2 <1 current ▲ 10 <1	history1 <1 0 0 0 0 0 1540 2 3 <1 history1 2 <1	history2 <1 0 0 0 0 0 1576 2 0 0 history2 <1 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	0 0 0 0 0 2500 0 0 limit/base >8	current <1 0 0 0 0 0 2156 1 2 <1 current ▲ 10 <1 <1	history1 <1 0 0 0 0 0 1540 2 3 <1 history1 2 <1 <1	history2 <1 0 0 0 0 0 1576 2 0 0 history2 <1 0 0
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m)	0 0 0 0 0 2500 0 0 limit/base >8	current <1 0 0 0 0 0 2156 1 2 <1 current ▲ 10 <1 <1 0.027	history1 <1 0 0 0 0 0 1540 2 3 <1 history1 2 <1 <1 0.069	history2 <1 0 0 0 0 1576 2 0 0 history2 <1 0 0 0.061



OIL ANALYSIS REPORT



Validity of results and interpretation are based on the sample and information as supplied.

F: (204)783-2483

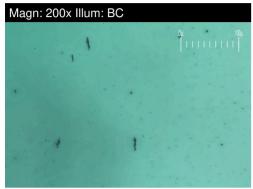


FERROGRAPHY REPORT

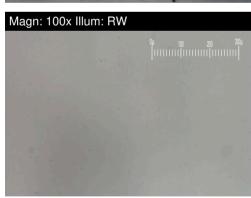
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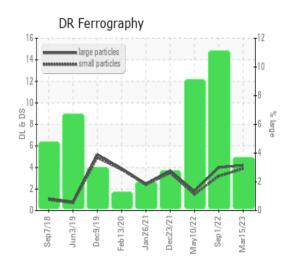




DR-FERROGRAP	НҮ	method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		4.2	4.0	1.8
Small Particles		DR-Ferr*		3.9	3.2	1.5
Total Particles		DR-Ferr*	>	8.1	7.2	3.3
Large Particles Percentage	%	DR-Ferr*		3.7	11.1	9.1
Severity Index		DR-Ferr*		1	3	1
FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		2	1	1
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		1		1
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*				
Carbonaceous Material	Scale 0-10	ASTM D7684*				
Lubricant Degradation	Scale 0-10	ASTM D7684*				
Sand/Dirt	Scale 0-10	ASTM D7684*		1	1	1
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*		1	1	2

WEAR

All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system.



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