

## (C-GSNR) Machine Id BEECHCRAFT PCE-RX1382

# Right Jet Turbine

EASTMAN TURBO OIL 2380 (10 LTR)

### RECOMMENDATION

Resample at the next service interval to monitor.

Current

Limit/Abn

Test

UOM

Method

History1

History2

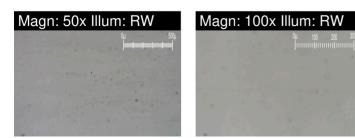
## WEAR

All component wear rates are normal. The ferrography results are normal indicating no abnormal wear in the system.

Sample Number		Client Info		WC0954832	WC0925734	
Sample Date		Client Info		25 Jun 2024	23 May 2024	
TSN	hrs	Client Info		194	85	
TSO	hrs	Client Info		194	85	
Oil Age	hrs	Client Info		194	85	
Filter Age	hrs	Client Info		194	85	
Oil Changed		Client Info		Not Changd	Not Changd	
Filter Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
Iron	ppm	ASTM D5185(m)	>8	0	0	
Chromium	ppm	ASTM D5185(m)	>2	0	0	
Nickel	ppm	ASTM D5185(m)	>2	<1	0	
Titanium	ppm	ASTM D5185(m)	>2	0	0	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>2	<1	0	
Lead	ppm	ASTM D5185(m)	>3	0	0	
Copper	ppm	ASTM D5185(m)	>3	<1	0	
Tin	ppm	ASTM D5185(m)	>2	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
White Metal	scalar	Visual*	NONE	NONE	NONE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Large Particles		DR-Ferr*		9.0	4.9	
Small Particles		DR-Ferr*		8.6	4.2	
Total Particles		DR-Ferr*	>	17.6	9.1	
Large Particles Percentage	%	DR-Ferr*		2.3	7.7	
Severity Index		DR-Ferr*		4	3	
Ferrous Rubbing	Scale 0-10	ASTM D7684*		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*				
				$\smile$		

#### Magn: 200x Illum: BC





Report Id: SKY820WIN [WCAMIS] 02644374 (Generated: 07/02/2024 09:02:02) Rev: 1

## CONTAMINANTS

The water content is negligible. There is no indication of any contamination in the oil.

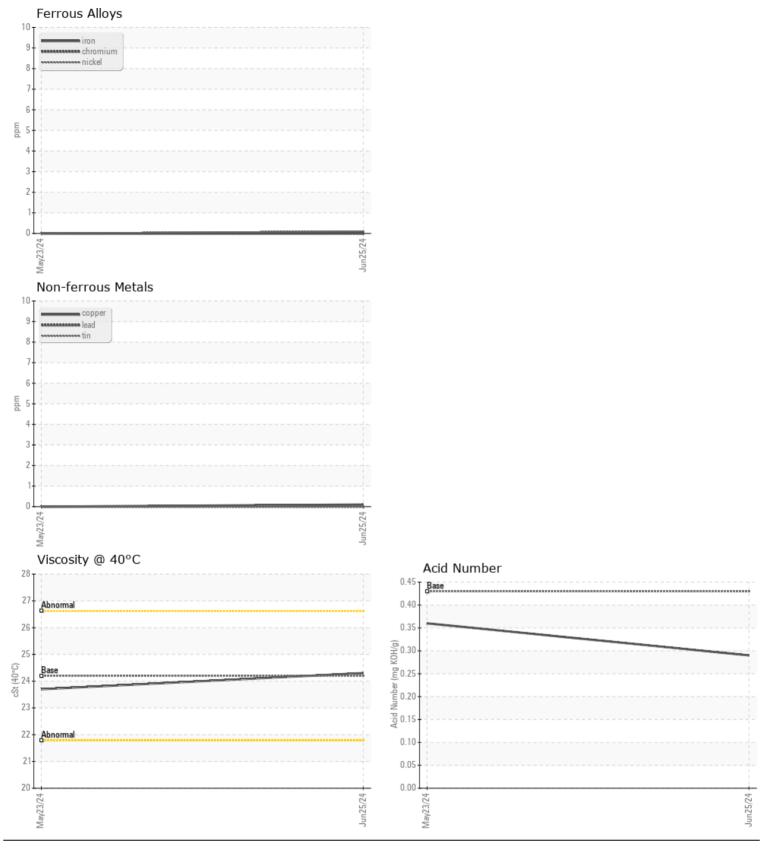
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# OIL CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

NTAMINANTS Silicon water content is negligible. There is no indication of any amination in the oil. Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified W Catonaceous Ma Sand/Dirt Fibres Spheres Other Other No Potassium No potassi	ater scalar scalar scalar scale 0-10 Scale 0-10 Scale 0-10	ASTM D6304* ASTM D6304* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D7684*		3 0 0.051 515 NONE NONE NORE NORML NORML	1         <1         0.045         457         NONE         NONE         NONE         NORML         NORML	
amination in the oil. Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified W. Catonaceous Ma Sand/Dirt Fibres Sand/Dirt Fibres Spheres Other Other Sodium AN level is acceptable for this fluid. The condition of the oil is ble for further service. Sodium Boron Barium	Notes of the second	ASTM D6304* ASTM D6304* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D7684*	>0.1 >1000 NONE NONE NORE NORML	0.051 515 NONE NONE NORML NORML	0.045 457 NONE NONE NONE NORML	  
Water pm Water Silt Debris Sand/Dirt Appearance Odor Emulsified W. Catonaceous Ma Sand/Dirt Fibres Sand/Dirt Fibres Sofium AN level is acceptable for this fluid. The condition of the oil is ble for further service. Sodium Barium	ppm scalar scalar scalar scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D6304* Visual* Visual* Visual* Visual* Visual* ASTM D7684*	>1000 NONE NONE NORML NORML	515 NONE NONE NORML NORML	457 NONE NONE NORML NORML	  
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Appearance Odor Emulsified W Catonaceous Ma Sand/Dirt Fibres Spheres Other Other N level is acceptable for this fluid. The condition of the oil is ble for further service.	e scalar scalar ater scalar scalar scale 0-10 Scale 0-10 Scale 0-10	Visual* Visual* Visual* ASTM D7684* ASTM D7684*	NORML NORML	NORML NORML	NORML	
Odor Emulsified W Carbonaceous Ma Sand/Dirt Fibres Spheres Other Other Nevel is acceptable for this fluid. The condition of the oil is ble for further service.	ater scalar scalar scalar scale 0-10 Scale 0-10 Scale 0-10	Visual* Visual* ASTM D7684* ASTM D7684*	NORML	NORML	NORML	
Emulsified W. Carbonaceous Ma Sand/Dirt Fibres Spheres Other Other N level is acceptable for this fluid. The condition of the oil is ble for further service.	terial Scale 0-10 Scale 0-10 Scale 0-10	Visual* ASTM D7684* ASTM D7684*				
Carbonaceous Ma Sand/Dirt Fibres Spheres Other Other Sodium AN level is acceptable for this fluid. The condition of the oil is ble for further service. Boron Barium	terial Scale 0-10 Scale 0-10 Scale 0-10	ASTM D7684* ASTM D7684*	>0.1	NEG		
Sand/Dirt Fibres Spheres Other Other Nevel is acceptable for this fluid. The condition of the oil is ble for further service. Sodium Boron Barium	Scale 0-10 Scale 0-10	ASTM D7684*			NEG	
Fibres Spheres Other CONDITION AN level is acceptable for this fluid. The condition of the oil is ble for further service. Boron Barium	Scale 0-10					
Spheres Other CONDITION AN level is acceptable for this fluid. The condition of the oil is ble for further service. Boron Barium		4STM D7684*			1	
Other         CONDITION         AN level is acceptable for this fluid. The condition of the oil is ble for further service.         Boron         Barium	Scale 0-10	AOTINI DTOOT				
CONDITION       Sodium         AN level is acceptable for this fluid. The condition of the oil is ble for further service.       Boron         Barium	00010 0 10	ASTM D7684*				
AN level is acceptable for this fluid. The condition of the oil is Boron Barium	Scale 0-10	ASTM D7684*		1	1	
ble for further service. Boron Barium	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)	0	2	2	
Molybdenur	ppm	ASTM D5185(m)	0	0	0	
	n ppm	ASTM D5185(m)	0	0	0	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)	0	0	<1	
Calcium	ppm	ASTM D5185(m)	0	<1	0	
Phosphorus	ppm	ASTM D5185(m)	2500	2622	2668	
Zinc	ppm	ASTM D5185(m)	0	2	2	
Sulfur	ppm	ASTM D5185(m)	0	8	7	
Acid Number (	<b>AN)</b> mg KOH/g	ASTM D974*	0.43	0.29	0.36	
Visc @ 40°	C cSt	ASTM D7279(m)	24.2	24.3	23.7	
Visc @ 100	°C cSt	ASTM D7279(m)	4.97	5.0	4.8	
Viscosity Index		ASTM D2270*	134	135	125	
Lubricant Degrad	(VI) Scale	ASTM D7684*				

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Skynorth Air Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : WC0954832 Received : 27 Jun 2024 175 West Hangar Road : 28 Jun 2024 Lab Number : 02644374 Tested Winnipeg, MB ISO 17025:2017 Accredited Laboratory Unique Number : 5801913 Diagnosed : 28 Jun 2024 - Kevin Marson CA R3J 3Z1 Test Package : AVI 3 Contact: Rowena Roopchand To discuss this sample report, contact Customer Service at 1-800-268-2131. parts@skynorthair.com T: (204)338-8039 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:

Contact/Location: Rowena Roopchand - SKY820WIN Page 3 of 4 This page left intentionally blank