

OIL ANALYSIS REPORT

Sample Rating Trend



BEECHCRAFT CGSKU (S/N GG32017)

Left Jet Turbine

ESSO EXXON TURBO OIL 2380 (--- QTS)

DIAGNOSIS		œĸ	AIC		
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Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

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

Contaminants

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

Oil Condition

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

				Sep 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0816805		
Sample Date		Client Info		26 Sep 2023		
TSN	hrs	Client Info		0		
TSO	hrs	Client Info		3443		
Oil Age	hrs	Client Info		567		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>8	0		
Chromium	ppm	ASTM D5185(m)	>2	0		
Nickel	ppm	ASTM D5185(m)	>2	0		
Titanium	ppm	ASTM D5185(m)	>2	0		
Silver	ppm	ASTM D5185(m)	>2	<1		
Aluminum	ppm	ASTM D5185(m)	>2	0		
Lead	ppm	ASTM D5185(m)	>3	<1		
Copper	ppm	ASTM D5185(m)	>3	<1		
Tin	ppm	ASTM D5185(m)	>2	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	6.3	<1		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)	0.0	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	0.0	0		
Calcium	ppm	ASTM D5185(m)	0.1	<1		
Phosphorus	ppm	ASTM D5185(m)	2931	2743		
Zinc	ppm	ASTM D5185(m)	0.1	<1		
Sulfur	ppm	ASTM D5185(m)	0.0	8		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>8	<1		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
Water	%	ASTM D6304*	>0.1	0.051		
ppm Water	ppm	ASTM D6304*	>1000	513.6		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

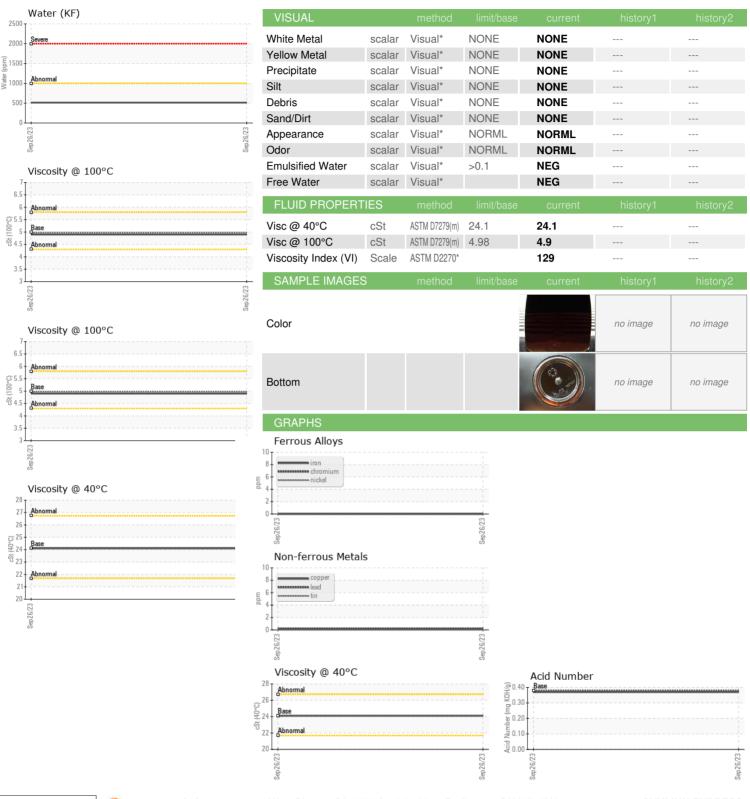
Acid Number (AN)

mg KOH/g ASTM D974* .38

0.37



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number** Test Package

: WC0816805 : 02586103

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 5655169

: AVI 3

: 02 Oct 2023 Received Diagnosed : 04 Oct 2023 : Kevin Marson Diagnostician

SKYLINK EXPRESS 9300 AIRPORT ROAD, HANGAR #4 MOUNT HOPE, ON CA LOR 1W0

> Contact: Marc Levesque mlevesque@skylinkexpress.com

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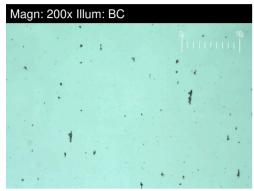
FERROGRAPHY REPORT

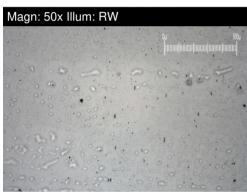
BEECHCRAFT CGSKU (S/N GG32017)

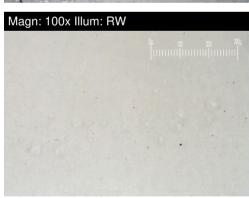
Component

Left Jet Turbine

ESSO EXXON TURBO OIL 2380 (--- QTS)



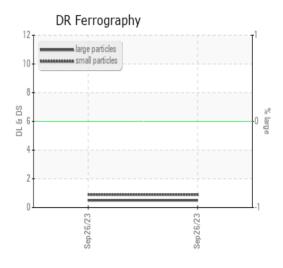




DR-FERROGRAP	ΉΥ	method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		0.5		
Small Particles		DR-Ferr*		0.9		
Total Particles		DR-Ferr*	>	1.4		
Large Particles Percentage	%	DR-Ferr*		0		
Severity Index		DR-Ferr*		0		
FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		2		
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		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		
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*		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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