



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[FL-274 PCE-PK0217]**  
 Machine Id  
**[713MD] BEECH B300 713MD (S/N FL-274)**  
 Component  
**Left Turbine**  
 Fluid  
**BP TURBO OIL 2380 (12 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: FL-274 PCE-PK0217 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GF0001625</b>	GF0001642	GF0000478
Sample Date		Client Info		<b>19 Mar 2024</b>	29 Nov 2023	18 Aug 2021
TSN	hrs	Client Info		<b>6790</b>	6730	6062
TSO	hrs	Client Info		<b>6790</b>	6730	0
Oil Age	hrs	Client Info		<b>6790</b>	2177	1725
Filter Age	hrs	Client Info		<b>186</b>	125	725
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	1	0
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

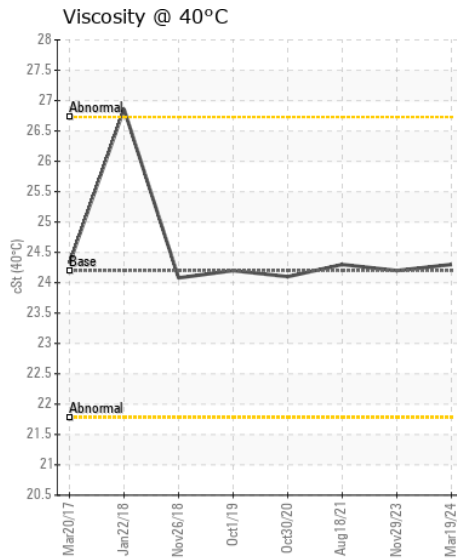
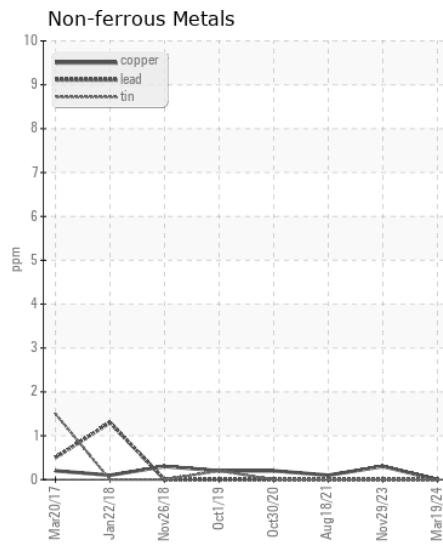
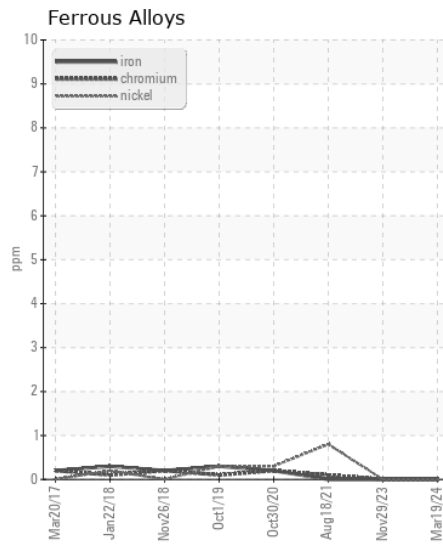
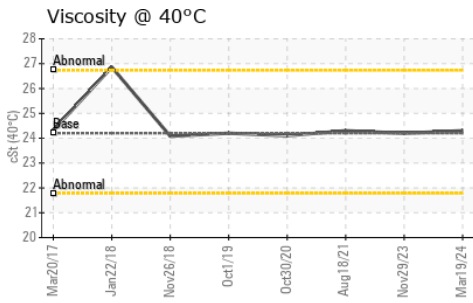
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	3	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	3
Water		WC Method	>0.03	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.03	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m	0	<b>0</b>	14	0
Phosphorus	ppm	ASTM D5185m	2500	<b>2841</b>	2673	2559
Zinc	ppm	ASTM D5185m	0	<b>2</b>	0	3
Sulfur	ppm	ASTM D5185m	0	<b>0</b>	0	0
Visc @ 40°C	cSt	ASTM D445	24.2	<b>24.3</b>	24.2	24.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GF0001625  
**Lab Number** : 06125271  
**Unique Number** : 10939422  
**Test Package** : AVI 1

**Received** : 21 Mar 2024  
**Tested** : 25 Mar 2024  
**Diagnosed** : 25 Mar 2024 - Don Baldrige

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)