



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**BT-F01-B1M (S/N B1 RECYCLE BLOWER MOTOR)**

Component  
**Non-Drive End Bearing**

Fluid  
**SHELL TURBO T ISO 32 (--- GAL)**

**RECOMMENDATION**

No corrective actions at this time. Resample at next normal interval.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PLS0000790</b>	PLS0000773	PLS0000475
Sample Date		Client Info		<b>31 Jan 2024</b>	24 Oct 2023	09 Aug 2023
Machine Age	mths	Client Info		<b>3</b>	0	0
Oil Age	mths	Client Info		<b>0</b>	1	0
Filter Age	mths	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	SEVERE

**WEAR**

Wear particles are low and acceptable.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>0</b>	0	4
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	4
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

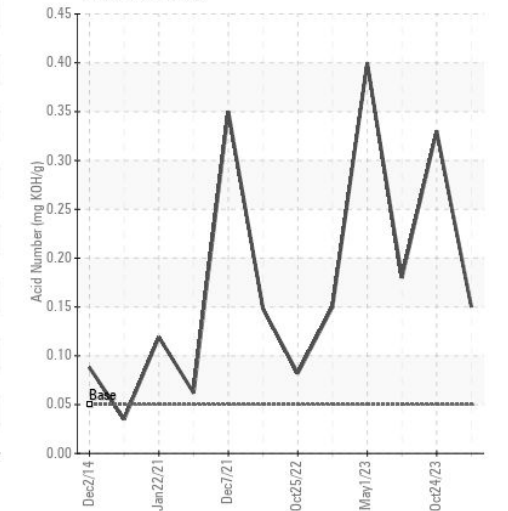
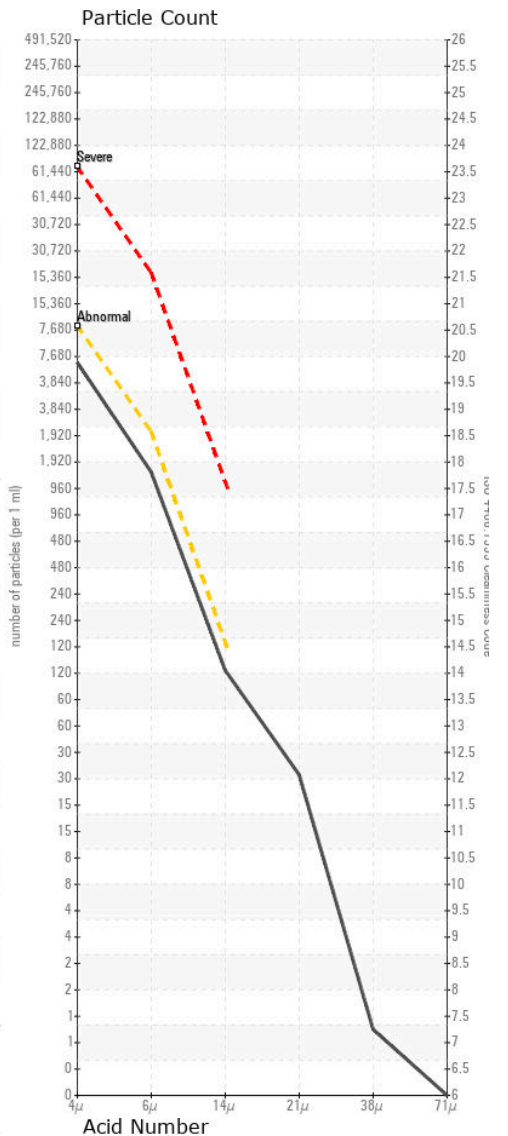
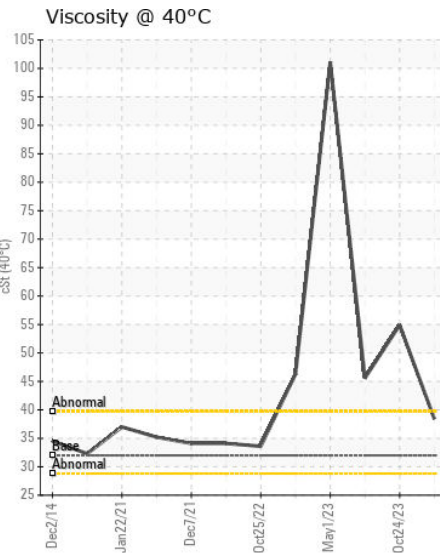
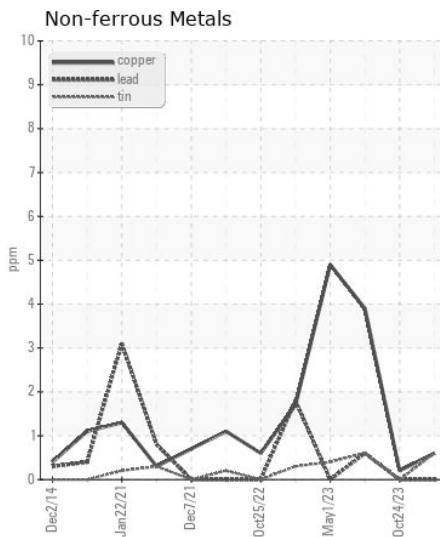
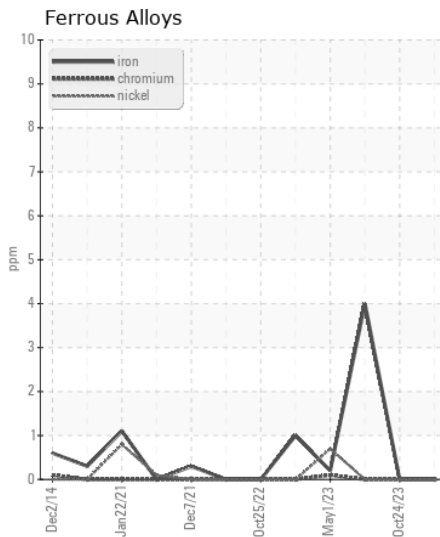
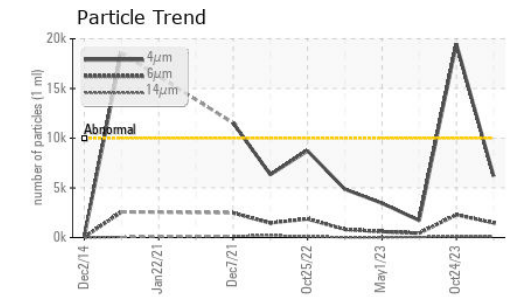
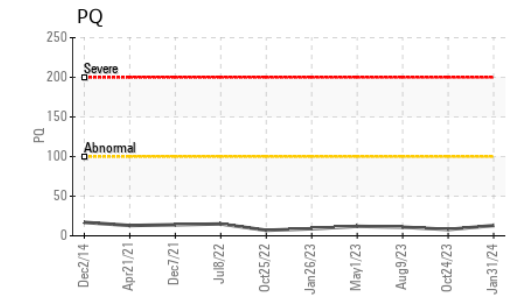
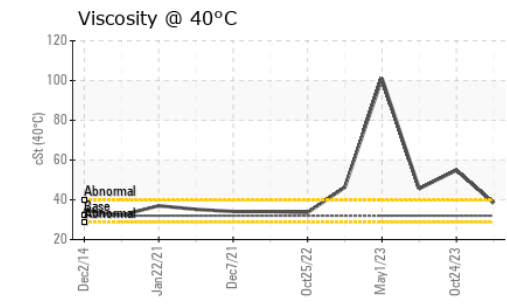
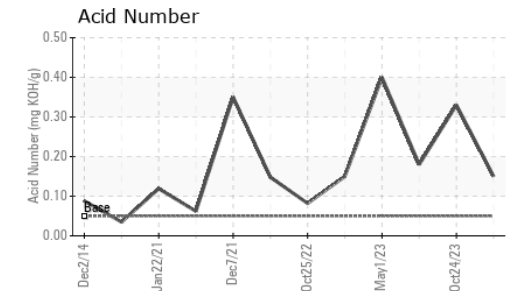
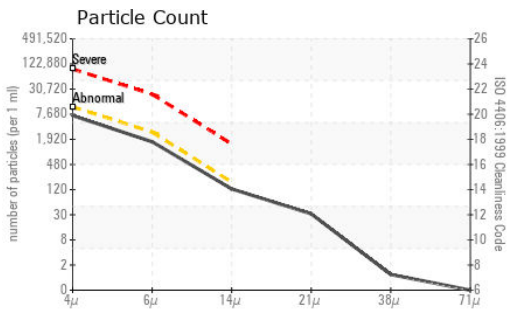
Contamination is on par with new unfiltered oil.

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	1
Water		WC Method	>2	<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0</b>	0	0
Nitration	Abs/cm	*ASTM D7624		<b>1.8</b>	2.1	1.8
Sulfation	Abs/.1mm	*ASTM D7415		<b>10.7</b>	11.2	10.6
Particles >4µm		ASTM D7647	>10000	<b>6185</b>	▲ 19477	1721
Particles >6µm		ASTM D7647	>2500	<b>1470</b>	2294	437
Particles >14µm		ASTM D7647	>160	<b>110</b>	101	49
Particles >21µm		ASTM D7647	>40	<b>28</b>	20	17
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<b>20/18/14</b>	▲ 21/18/14	18/16/13
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	>2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

Fluid health is acceptable for continued use.

Sodium	ppm	ASTM D5185m		<b>0</b>	1	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Calcium	ppm	ASTM D5185m		<b>3</b>	0	5
Phosphorus	ppm	ASTM D5185m		<b>19</b>	35	53
Zinc	ppm	ASTM D5185m		<b>7</b>	0	14
Sulfur	ppm	ASTM D5185m		<b>749</b>	▲ 2263	● 1788
Oxidation	Abs/.1mm	*ASTM D7414		<b>2.4</b>	3.1	2.4
Acid Number (AN)	mg KOH/g	ASTM D8045	.05	<b>0.15</b>	▲ 0.33	0.18
Visc @ 40°C	cSt	ASTM D445	32	<b>38.4</b>	▲ 54.9	▲ 45.58



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : PLS0000790

Lab Number : 06077602

Unique Number : 10859693

Test Package : IND 2 ( Additional Tests: FT-IR, PQ, PrtCount )

Received : 01 Feb 2024

Tested : 02 Feb 2024

Diagnosed : 09 Feb 2024 - Mike Johnson

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)

HEXION - BAYTOWN PLANT

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