



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

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

Component  
**Drive End Bearing**

Fluid  
**SHELL TELLUS S2 MX 100 (--- GAL)**

**RECOMMENDATION**

Filter oil if possible using B6=75 filter media or better. No other actions needed at this time. Resample at next normal interval.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PLS0000292</b>	PLS0000789	PLS0000774
Sample Date		Client Info		<b>17 Apr 2024</b>	31 Jan 2024	24 Oct 2023
Machine Age	mths	Client Info		<b>3</b>	3	0
Oil Age	mths	Client Info		<b>0</b>	0	1
Filter Age	mths	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

Wear is low and acceptable.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	0
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>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Lead	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
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**

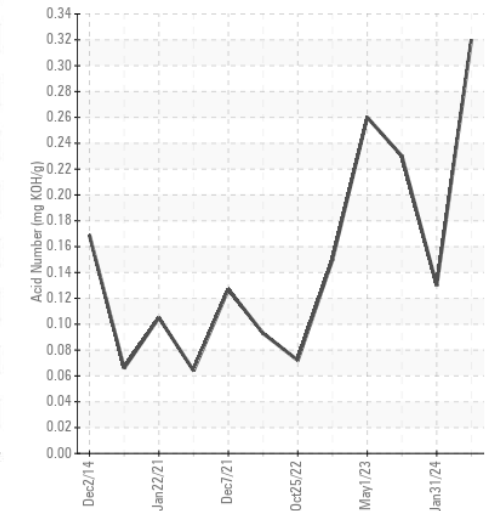
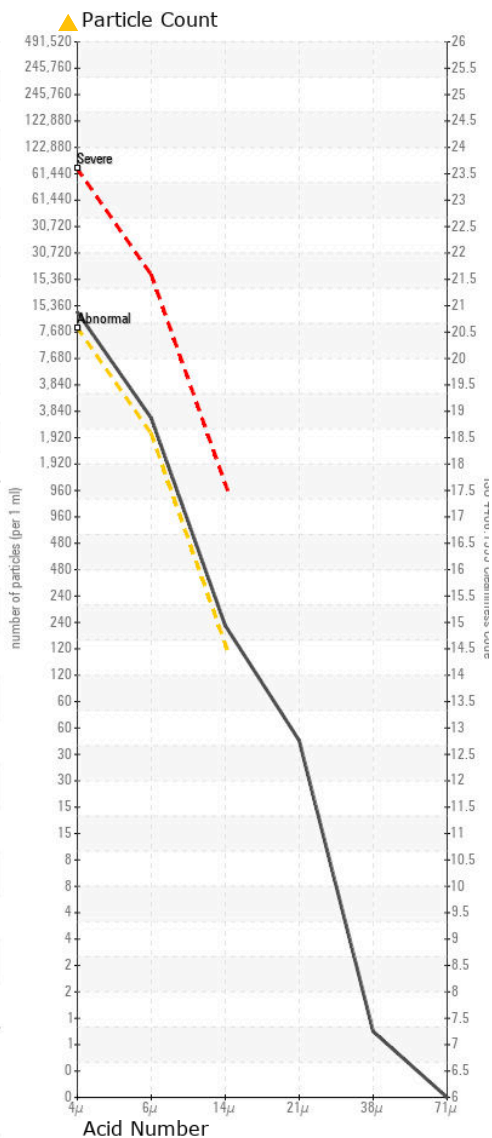
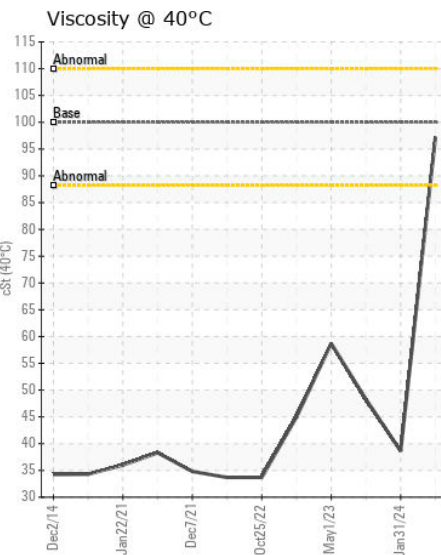
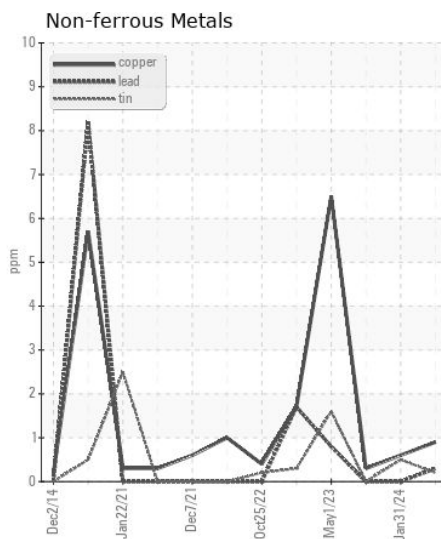
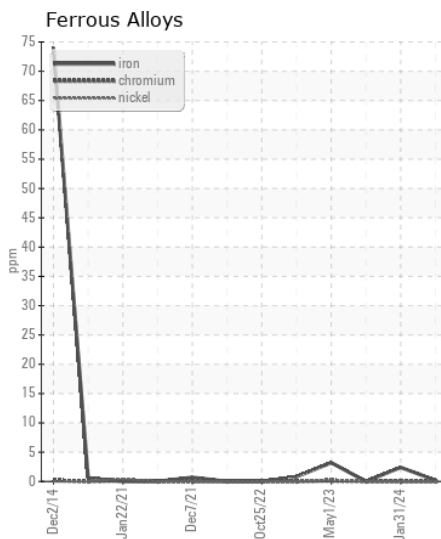
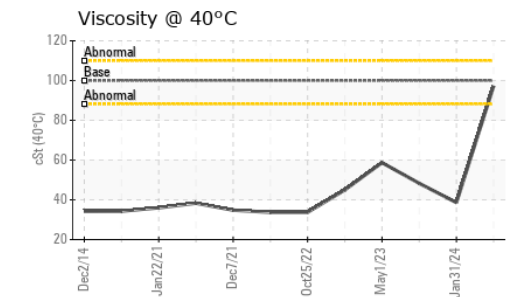
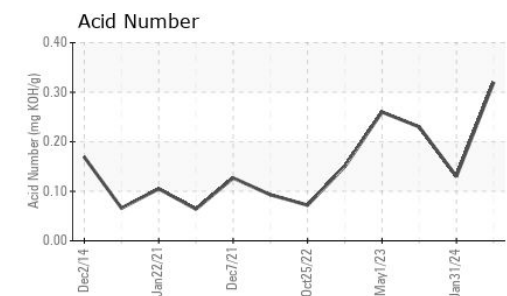
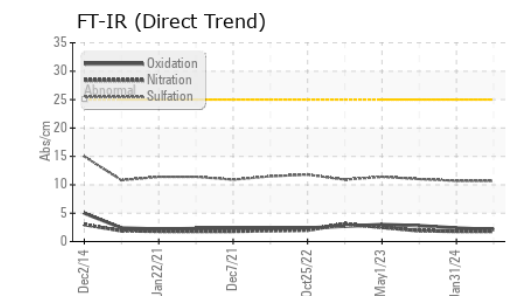
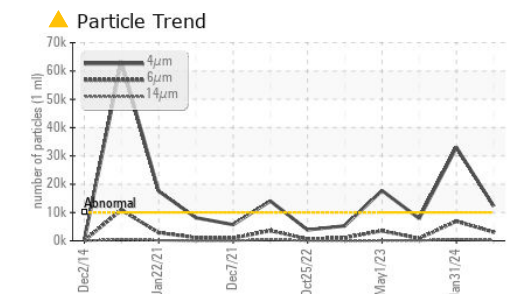
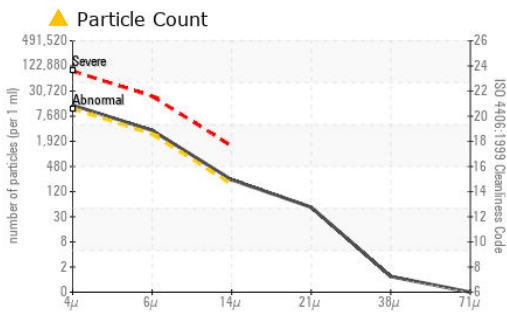
Contaminant levels are typical for new oil from the drum.

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
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>	1.8	1.9
Sulfation	Abs/.1mm	*ASTM D7415		<b>10.7</b>	10.7	11.0
Particles >4µm		ASTM D7647	>10000	<b>▲ 12276</b>	▲ 33014	7872
Particles >6µm		ASTM D7647	>2500	<b>▲ 3064</b>	▲ 6928	826
Particles >14µm		ASTM D7647	>160	<b>▲ 203</b>	▲ 558	87
Particles >21µm		ASTM D7647	>40	<b>▲ 45</b>	▲ 177	29
Particles >38µm		ASTM D7647	>10	<b>1</b>	● 15	4
Particles >71µm		ASTM D7647	>3	<b>0</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<b>▲ 21/19/15</b>	▲ 22/20/16	20/17/14
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>2</b>	0	1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>67</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>4</b>	2	0
Phosphorus	ppm	ASTM D5185m		<b>315</b>	20	18
Zinc	ppm	ASTM D5185m		<b>351</b>	7	0
Sulfur	ppm	ASTM D5185m		<b>1049</b>	732	▲ 1609
Oxidation	Abs/.1mm	*ASTM D7414		<b>2.1</b>	2.4	2.8
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.32</b>	0.13	▲ 0.23
Visc @ 40°C	cSt	ASTM D445	100	<b>97.2</b>	38.6	▲ 48.3



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PLS0000292 **Received** : 19 Apr 2024  
**Lab Number** : 06154201 **Tested** : 06 May 2024  
**Unique Number** : 10989624 **Diagnosed** : 07 May 2024 - Mike Johnson  
**Test Package** : IND 2 ( Additional Tests: FT-IR, PQ, PrtCount )

**HEXION - BAYTOWN PLANT**  
 8450 WEST BAY RD  
 BAYTOWN, TX  
 US 77520  
 Contact: BILL MINER  
 bill.miner@momentive.com

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)