



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 TELLUS S2 MX 100 (--- GAL)

RECOMMENDATION

No corrective actions at this time. Oil is correct and in good condition for an ISO 100 oil. Resample at next normal interval.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PLS0000293	PLS0000790	PLS0000773
Sample Date		Client Info		17 Apr 2024	31 Jan 2024	24 Oct 2023
Machine Age	mths	Client Info		3	3	0
Oil Age	mths	Client Info		0	0	1
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

Wear particles are low and acceptable.

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

CONTAMINATION

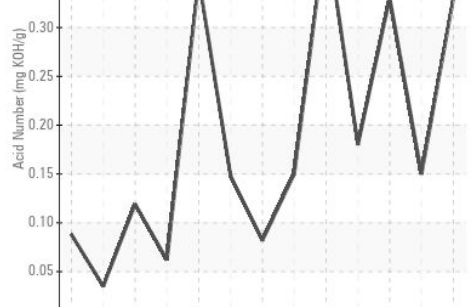
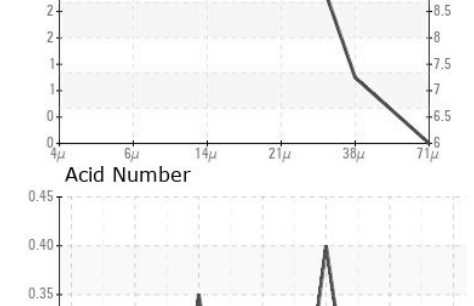
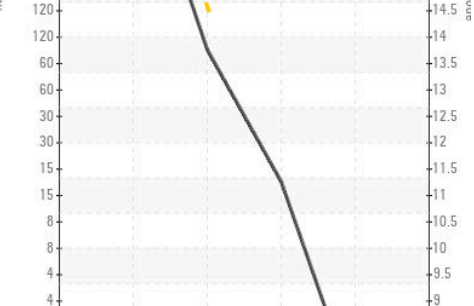
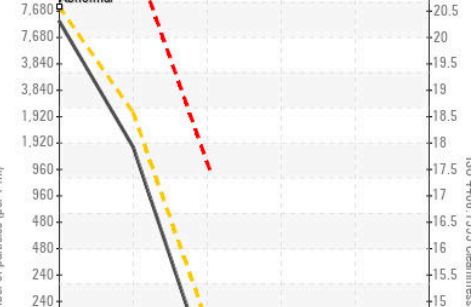
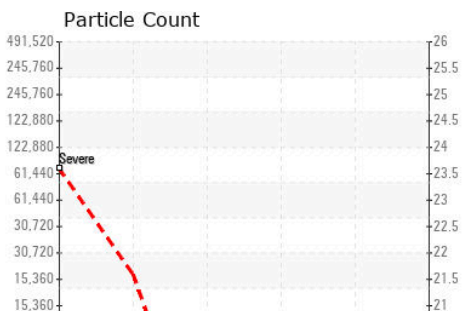
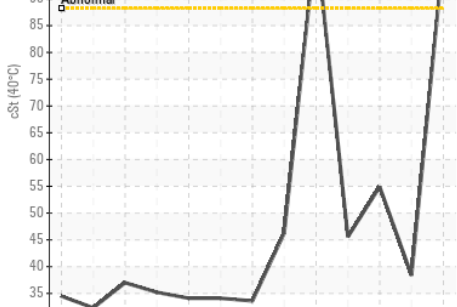
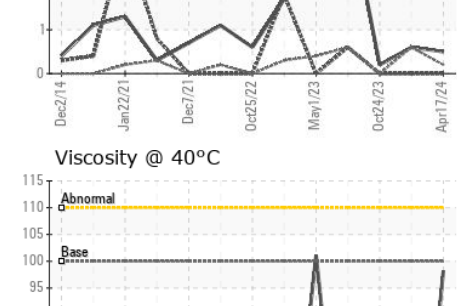
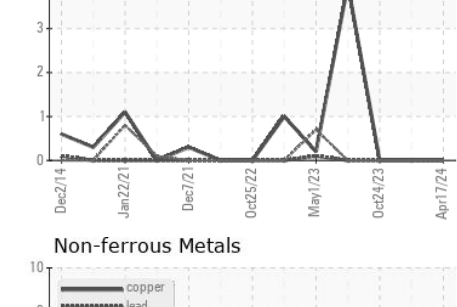
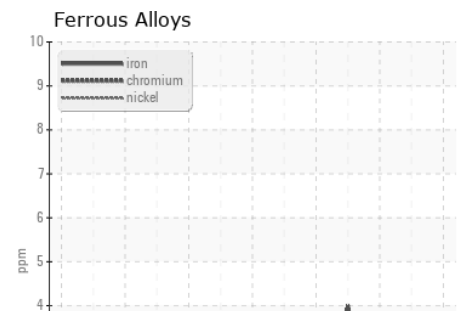
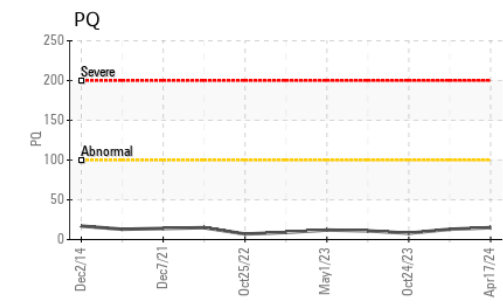
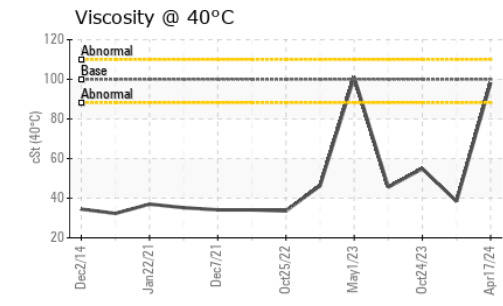
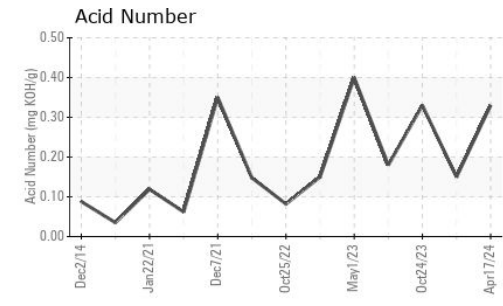
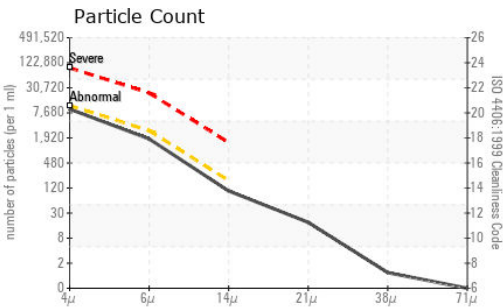
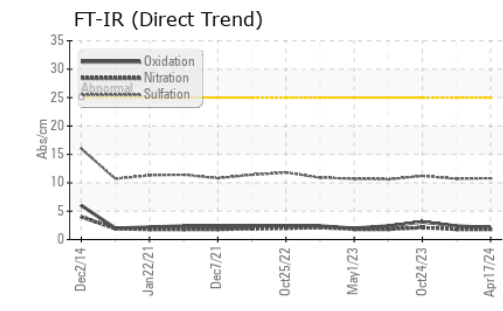
Contamination is on par with new unfiltered oil.

Silicon	ppm	ASTM D5185m	>15	0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>2	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624		1.8	1.8	2.1
Sulfation	Abs/.1mm	*ASTM D7415		10.8	10.7	11.2
Particles >4µm		ASTM D7647	>10000	8254	6185	▲ 19477
Particles >6µm		ASTM D7647	>2500	1588	1470	2294
Particles >14µm		ASTM D7647	>160	90	110	101
Particles >21µm		ASTM D7647	>40	16	28	20
Particles >38µm		ASTM D7647	>10	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	20/18/14	20/18/14	▲ 21/18/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG

FLUID CONDITION

Fluid health is acceptable for continued use.

Sodium	ppm	ASTM D5185m		3	0	1
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		62	<1	0
Calcium	ppm	ASTM D5185m		5	3	0
Phosphorus	ppm	ASTM D5185m		314	19	35
Zinc	ppm	ASTM D5185m		334	7	0
Sulfur	ppm	ASTM D5185m		1011	749	▲ 2263
Oxidation	Abs/.1mm	*ASTM D7414		2.1	2.4	3.1
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33	0.15	▲ 0.33
Visc @ 40°C	cSt	ASTM D445	100	98.2	38.4	▲ 54.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PLS0000293 **Received** : 19 Apr 2024
Lab Number : 06154194 **Tested** : 06 May 2024
Unique Number : 10989617 **Diagnosed** : 07 May 2024 - Mike Johnson
Test Package : IND 2 (Additional Tests: FT-IR, PQ, PrtCount)

HEXION - BAYTOWN PLANT
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 BAYTOWN, TX
 US 77520
 Contact: BILL MINER
 bill.miner@momentive.com
 T:
 F:

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)