



# OIL ANALYSIS REPORT

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

Machine Id  
**6151009**  
Component  
**Bogie/Center Right Tandem**  
Fluid  
**BAY 75W90 SYNTHETIC (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0669534</b>	WC0669475	WC0460266
Sample Date		Client Info		<b>15 May 2024</b>	28 Mar 2023	24 Mar 2022
Machine Age	hrs	Client Info		<b>7755</b>	6840	5877
Oil Age	hrs	Client Info		<b>915</b>	0	368
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>425	<b>89</b>	230	128
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	3	1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>5	<b>4</b>	12	9
Lead	ppm	ASTM D5185m		<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>8	<b>28</b>	115	66
Tin	ppm	ASTM D5185m		<b>1</b>	9	5
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

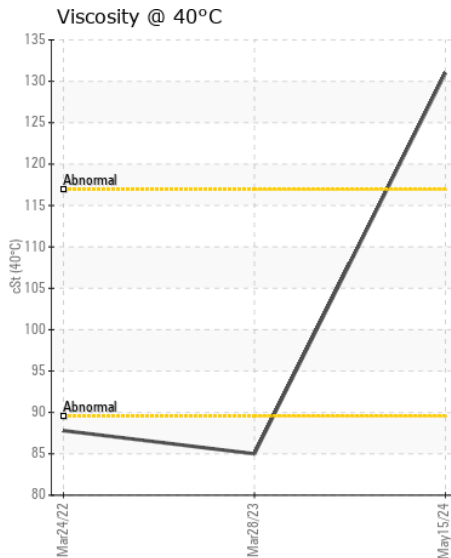
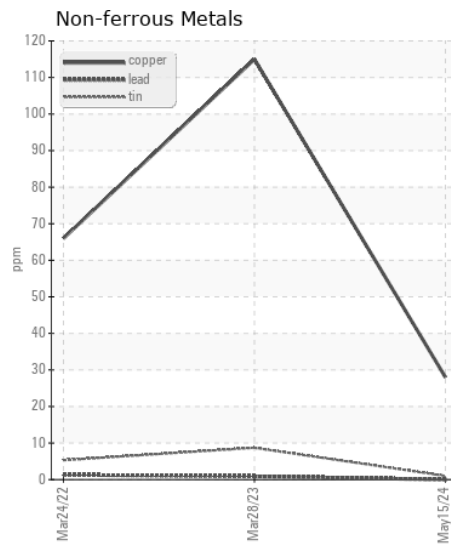
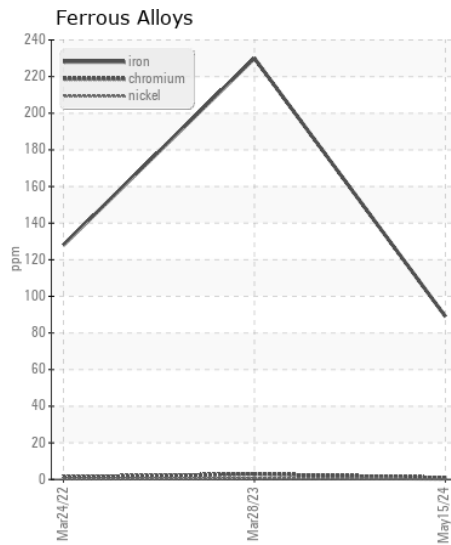
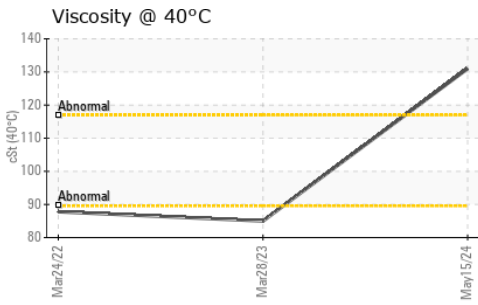
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>41</b>	50	30
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	4	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>MODER</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	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>1</b>	4	<1
Boron	ppm	ASTM D5185m		<b>20</b>	213	176
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	3	2
Manganese	ppm	ASTM D5185m		<b>1</b>	3	1
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	0
Calcium	ppm	ASTM D5185m		<b>12</b>	42	11
Phosphorus	ppm	ASTM D5185m		<b>1115</b>	1218	1287
Zinc	ppm	ASTM D5185m		<b>33</b>	26	12
Sulfur	ppm	ASTM D5185m		<b>13974</b>	27805	21881
Visc @ 40°C	cSt	ASTM D445		<b>131</b>	85.0	87.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0669534  
**Lab Number** : 06210986  
**Unique Number** : 11083850  
**Test Package** : FLEET

**Received** : 14 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Sean Felton

**TWIN STATE FORESTRY**  
 PO BOX 269  
 ASCUTNEY, VT  
 US 05030

Contact: STEVE GALBREATH  
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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)

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