



# WEAR CHECK

## OIL ANALYSIS REPORT

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

Machine Id  
**6151009**  
 Component  
**Transmission (Manual)**  
 Fluid  
**BAY 75W90 SYNTHETIC (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

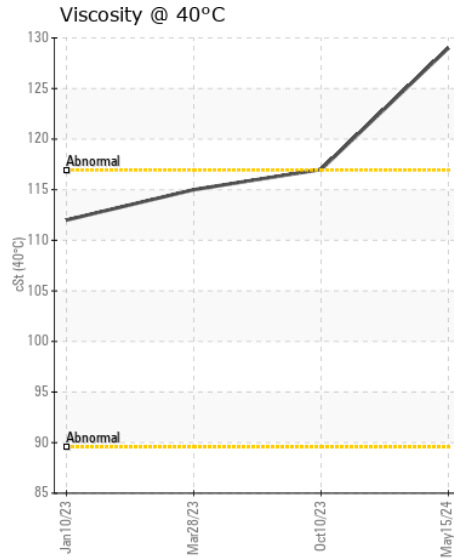
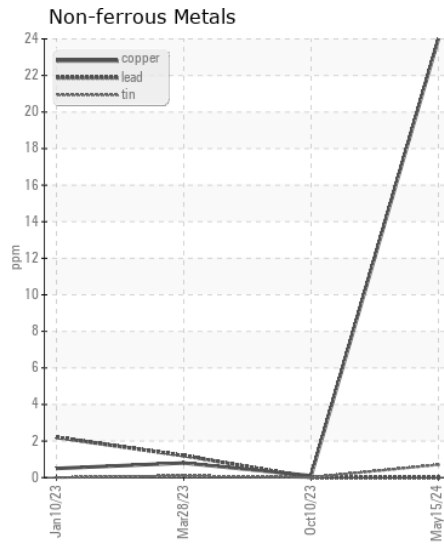
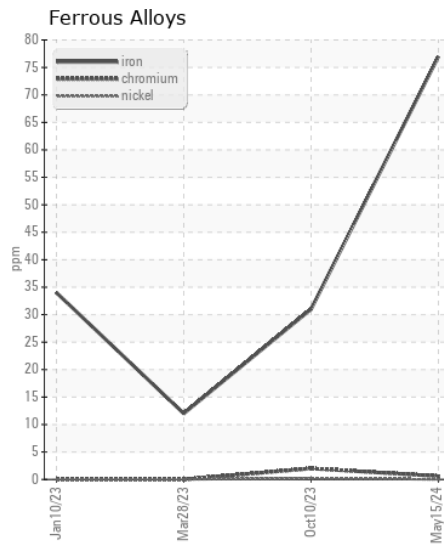
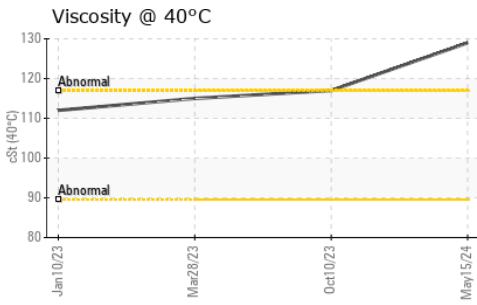
The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0669533</b>	WC0669524	WC0669469
Sample Date		Client Info		<b>15 May 2024</b>	10 Oct 2023	28 Mar 2023
Machine Age	hrs	Client Info		<b>7755</b>	7385	6840
Oil Age	hrs	Client Info		<b>915</b>	545	330
Filter Age	hrs	Client Info		<b>0</b>	545	330
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>425	<b>77</b>	31	12
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	2	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>5	<b>3</b>	<1	0
Lead	ppm	ASTM D5185m		<b>0</b>	0	1
Copper	ppm	ASTM D5185m	>8	<b>24</b>	<1	<1
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
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

Silicon	ppm	ASTM D5185m	>50	<b>35</b>	13	2
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	1
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

Sodium	ppm	ASTM D5185m		<b>1</b>	8	6
Boron	ppm	ASTM D5185m		<b>23</b>	74	257
Barium	ppm	ASTM D5185m		<b>0</b>	10	5
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	5	3
Calcium	ppm	ASTM D5185m		<b>12</b>	54	51
Phosphorus	ppm	ASTM D5185m		<b>1124</b>	1320	1326
Zinc	ppm	ASTM D5185m		<b>33</b>	36	32
Sulfur	ppm	ASTM D5185m		<b>14315</b>	23499	26144
Visc @ 40°C	cSt	ASTM D445		<b>129</b>	117	115



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0669533  
**Lab Number** : 06210985  
**Unique Number** : 11083849  
**Test Package** : FLEET  
**Received** : 14 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Sean Felton

**TWIN STATE FORESTRY**

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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)