

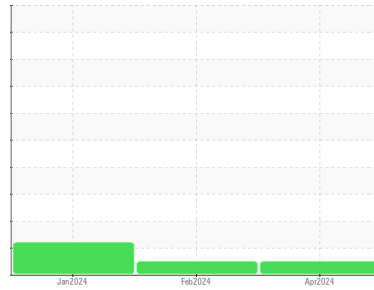


# OIL ANALYSIS REPORT



Machine Id  
**CATERPILLAR 374 10561 (S/N TNX10036)**  
 Component  
**Right Final Drive**  
 Fluid  
**{not provided} (--- GAL)**

### Sample Rating Trend



**NORMAL**



### DIAGNOSIS

#### 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 acceptable for the time in service.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0913239</b>	WC0879308	WC0879329
Sample Date	Client Info		<b>13 Apr 2024</b>	22 Feb 2024	04 Jan 2024
Machine Age	hrs	Client Info	<b>2705</b>	1834	918
Oil Age	hrs	Client Info	<b>871</b>	916	918
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>800	<b>23</b>	99	54
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	<1	2
Nickel	ppm	ASTM D5185m	>5	<b>4</b>	<1	2
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>1</b>	<1	2
Lead	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Copper	ppm	ASTM D5185m	>75	<b>58</b>	0	39
Tin	ppm	ASTM D5185m	>8	<b>3</b>	0	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>1</b>	0	<1

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>165</b>	101	0
Barium	ppm	ASTM D5185m		<b>0</b>	1	4
Molybdenum	ppm	ASTM D5185m		<b>4</b>	11	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	2
Magnesium	ppm	ASTM D5185m		<b>14</b>	74	11
Calcium	ppm	ASTM D5185m		<b>469</b>	1865	3331
Phosphorus	ppm	ASTM D5185m		<b>504</b>	933	1100
Zinc	ppm	ASTM D5185m		<b>174</b>	701	1374
Sulfur	ppm	ASTM D5185m		<b>2512</b>	3733	6848

### CONTAMINANTS

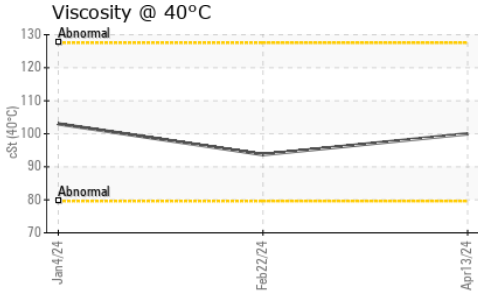
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>5</b>	5	9
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	3	<1
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	3

### VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	▲ HEAVY
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



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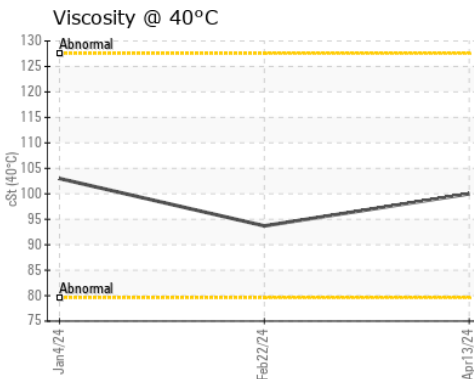
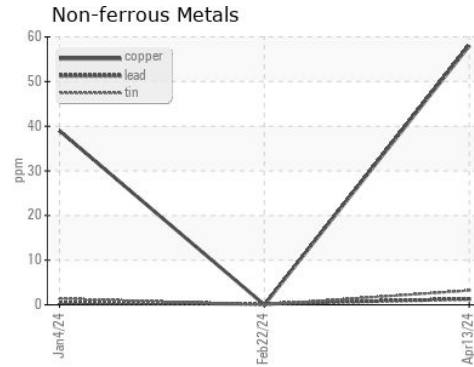
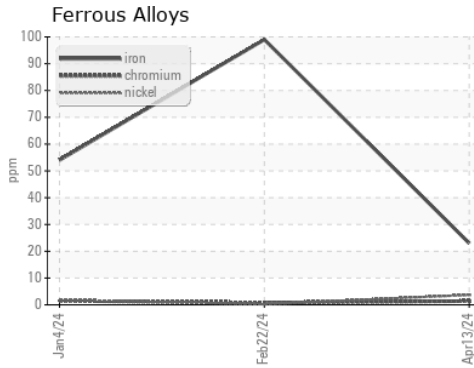


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	93.7	103

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0913239  
**Lab Number** : 06152394  
**Unique Number** : 10982472  
**Test Package** : CONST  
**Received** : 17 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Sean Felton

**TRADER CONSTRUCTION CO.**  
 PO DRAWER 1578  
 NEW BERN, NC  
 US 28563  
 Contact: MIKE WYATT  
 mwyatt@traderconstruction.com  
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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)