

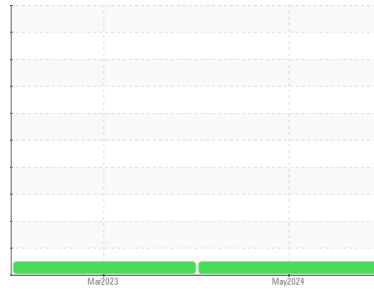


# OIL ANALYSIS REPORT



Machine Id  
**CATERPILLAR 306 8307 (S/N C6G605766)**  
 Component  
**Left Final Drive**  
 Fluid  
**{not provided} (--- GAL)**

## Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### 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>WC0913354</b>	WC0791061	---
Sample Date	Client Info			<b>29 May 2024</b>	10 Mar 2023	---
Machine Age	hrs	Client Info		<b>963</b>	450	---
Oil Age	hrs	Client Info		<b>513</b>	450	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	<b>304</b>	532	---
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	12	---
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	2	---
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>75	<b>4</b>	2	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	3	---
Tin	ppm	ASTM D5185m	>8	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

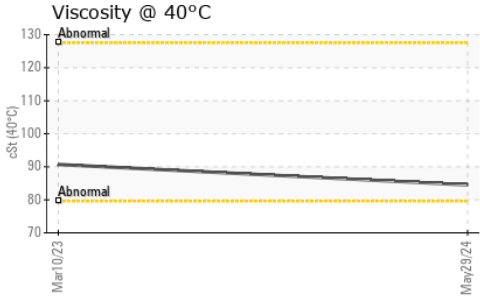
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>4</b>	15	---
Barium	ppm	ASTM D5185m		<b>6</b>	51	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	16	---
Manganese	ppm	ASTM D5185m		<b>3</b>	7	---
Magnesium	ppm	ASTM D5185m		<b>10</b>	12	---
Calcium	ppm	ASTM D5185m		<b>471</b>	3674	---
Phosphorus	ppm	ASTM D5185m		<b>451</b>	568	---
Zinc	ppm	ASTM D5185m		<b>140</b>	678	---
Sulfur	ppm	ASTM D5185m		<b>15755</b>	2668	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	<b>33</b>	11	---
Sodium	ppm	ASTM D5185m		<b>1</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	15	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>MODER</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---



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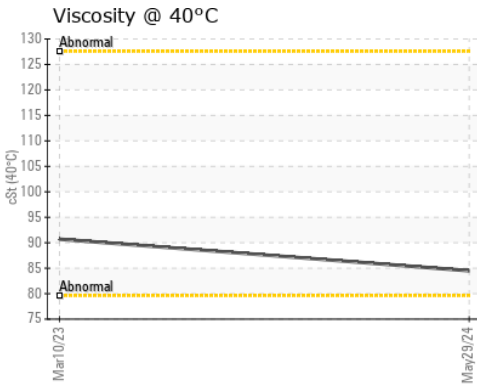
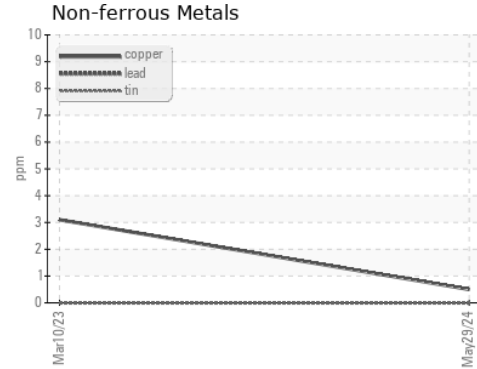
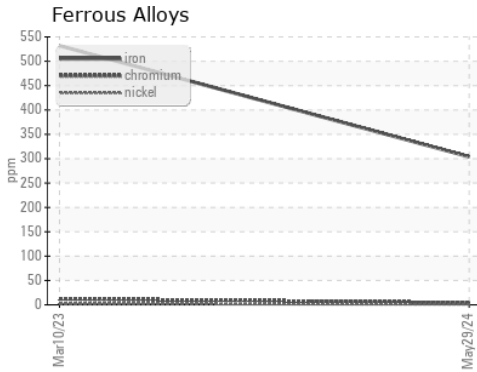
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	<b>84.5</b>	90.7	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS
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Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0913354      **Received** : 31 May 2024  
**Lab Number** : **06197118**      **Tested** : 03 Jun 2024  
**Unique Number** : 11059241      **Diagnosed** : 03 Jun 2024 - Wes Davis  
**Test Package** : CONST

**TRADER CONSTRUCTION CO.**  
 PO DRAWER 1578  
 NEW BERN, NC  
 US 28563  
 Contact: MIKE WYATT  
 mwyatt@traderconstruction.com  
 T: (252)633-1399  
 F: (252)638-4871

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)