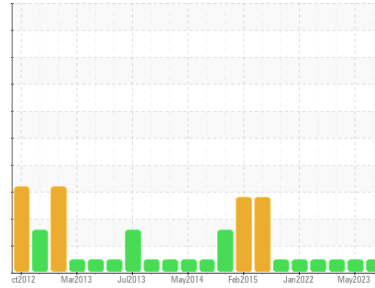




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**CATERPILLAR 336EL 8377 (S/N B2Y01211)**  
 Component  
**Left Final Drive**  
 Fluid  
**NOT GIVEN (--- GAL)**

## 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>WC0879372</b>	WC0790936	WC0734258
Sample Date	Client Info		<b>14 Nov 2023</b>	09 May 2023	27 Sep 2022
Machine Age	hrs	Client Info	<b>17104</b>	16640	15935
Oil Age	hrs	Client Info	<b>464</b>	705	604
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## 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>193</b>	263	220
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	1
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	2
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >75	<b>3</b>	2	6
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >75	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185m >8	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	2
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>148</b>	68	205
Barium	ppm	ASTM D5185m	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	<1	1
Manganese	ppm	ASTM D5185m	<b>1</b>	2	3
Magnesium	ppm	ASTM D5185m	<b>6</b>	9	0
Calcium	ppm	ASTM D5185m	<b>694</b>	2945	89
Phosphorus	ppm	ASTM D5185m	<b>423</b>	838	694
Zinc	ppm	ASTM D5185m	<b>192</b>	755	25
Sulfur	ppm	ASTM D5185m	<b>2236</b>	3254	3403

## CONTAMINANTS

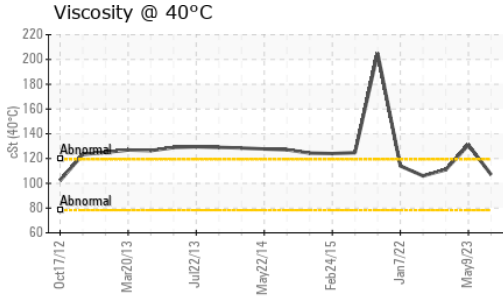
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>33</b>	48	53
Sodium	ppm	ASTM D5185m	<b>0</b>	2	5
Potassium	ppm	ASTM D5185m >20	<b>5</b>	1	3

## 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	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</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
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT

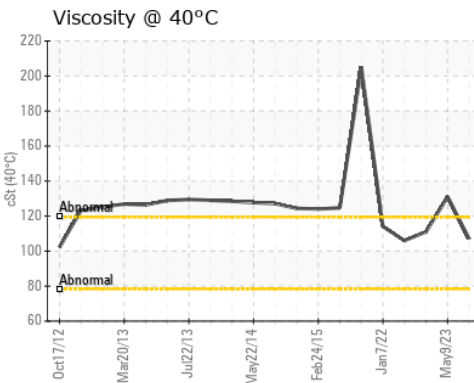
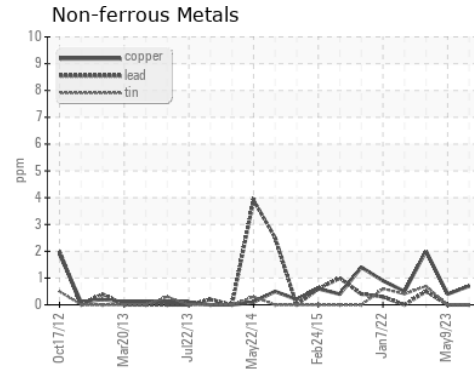
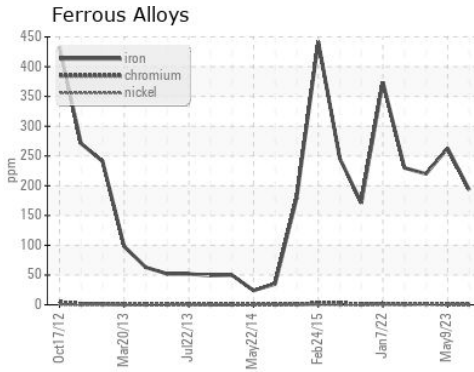


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>107</b>	131	111

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

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.** : WC0879372     **Received** : 20 Nov 2023  
**Lab Number** : 06012811     **Diagnosed** : 22 Nov 2023  
**Unique Number** : 10751955     **Diagnostician** : Sean Felton  
**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)