

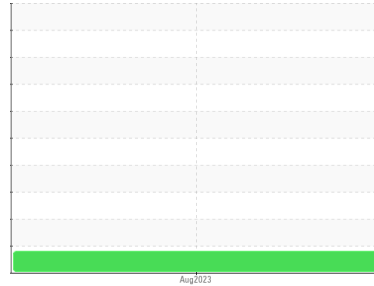


# PROBLEM SUMMARY



Area  
**CONSTRUCTORS, INC**  
 Machine Id  
**CATERPILLAR 131708**  
 Component  
**Pump Drive**  
 Fluid  
**MOBIL 75W90 (--- GAL)**

Sample Rating Trend

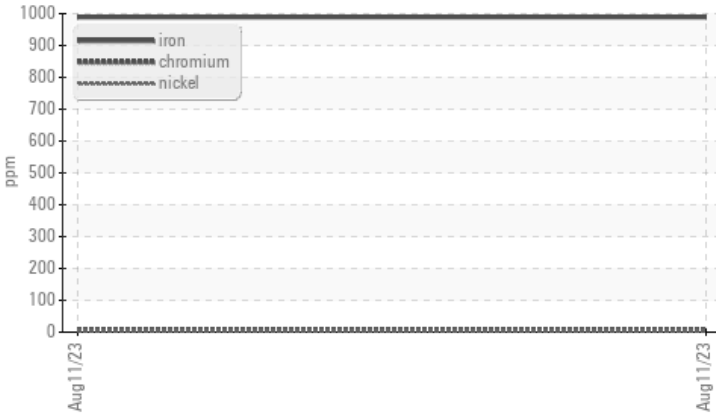


**WEAR**



## COMPONENT CONDITION SUMMARY

### ▲ Ferrous Alloys



## RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185m	>500	▲ 989	---	---

Customer Id: CONLINNE  
 Sample No.: SBP0004749  
 Lab Number: 05924539  
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Sean Felton +1 919-379-4092  
[sfelton@wearcheckusa.com](mailto:sfelton@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

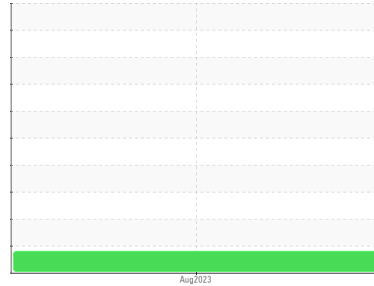
## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Area  
**CONSTRUCTORS, INC**  
 Machine Id  
**CATERPILLAR 131708**  
 Component  
**Pump Drive**  
 Fluid  
**MOBIL 75W90 (--- GAL)**

## Sample Rating Trend



**WEAR**



### DIAGNOSIS

#### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### ▲ Wear

Gear wear is indicated.

#### 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>SBP0004749</b>	---	---
Sample Date	Client Info		<b>11 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>2831</b>	---	---
Oil Age	hrs	Client Info	<b>1114</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>▲ 989</b>	---
Chromium	ppm	ASTM D5185m	>15	<b>6</b>	---
Nickel	ppm	ASTM D5185m	>10	<b>5</b>	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	---
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	---
Copper	ppm	ASTM D5185m	>35	<b>2</b>	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>69</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	---
Manganese	ppm	ASTM D5185m		<b>9</b>	---
Magnesium	ppm	ASTM D5185m		<b>11</b>	---
Calcium	ppm	ASTM D5185m		<b>57</b>	---
Phosphorus	ppm	ASTM D5185m		<b>979</b>	---
Zinc	ppm	ASTM D5185m		<b>151</b>	---
Sulfur	ppm	ASTM D5185m		<b>13253</b>	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>12</b>	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---

### VISUAL

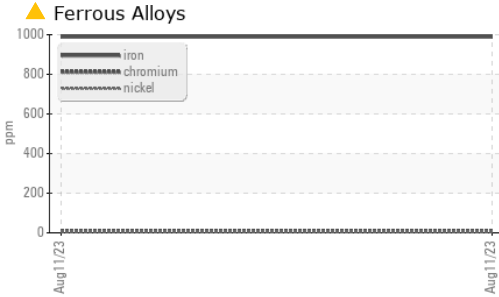
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual	NONE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

### FLUID PROPERTIES

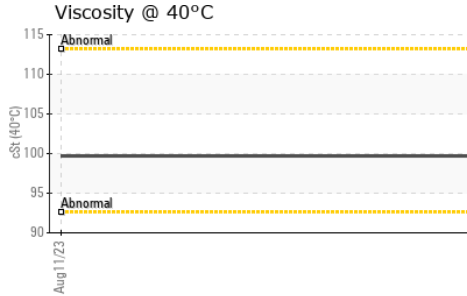
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>99.7</b>	---



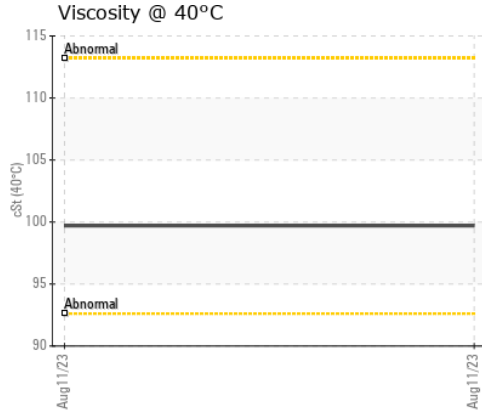
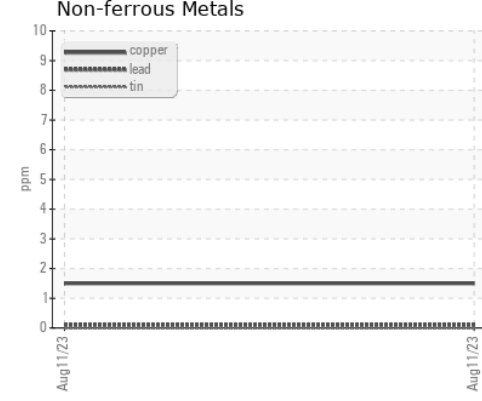
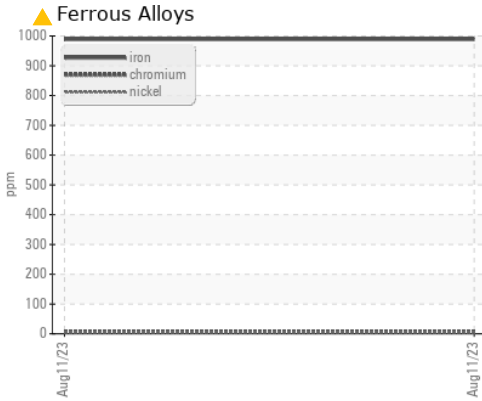
# OIL ANALYSIS REPORT



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



**GRAPHS**



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : SBP0004749      **Received** : 14 Aug 2023  
**Lab Number** : 05924539      **Diagnosed** : 15 Aug 2023  
**Unique Number** : 10604486      **Diagnostician** : Sean Felton  
**Test Package** : FLEET

**Constructors Inc. - 603659**  
 1815 Y Street  
 Lincoln, NE  
 US 68508  
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 jackl@constructorslincoln.com  
 T: (402)434-2157  
 F:

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)