

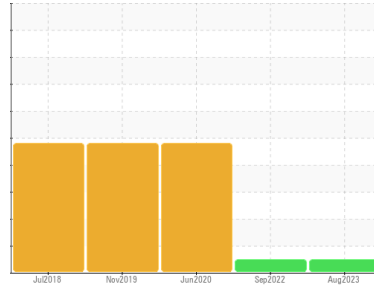


# OIL ANALYSIS REPORT



Area  
**CONSTRUCTORS, INC**  
Machine Id  
**CATERPILLAR 111034**  
Component  
**Left Final Drive**  
Fluid  
**MOBIL MOBILTRANS AST 30 (--- 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>SBP0004664</b>	SBP0002053	SBP74252058
Sample Date	Client Info		<b>16 Aug 2023</b>	29 Sep 2022	18 Jun 2020
Machine Age	hrs	Client Info	<b>5587</b>	5059	2760
Oil Age	hrs	Client Info	<b>528</b>	606	570
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status			<b>NORMAL</b>	NORMAL	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	<b>99</b>	111	201
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >75	<b>3</b>	3	7
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	1
Copper	ppm	ASTM D5185m >75	<b>1</b>	0	0
Tin	ppm	ASTM D5185m >8	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>40</b>	33	85
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	1	2
Manganese	ppm	ASTM D5185m	<b>1</b>	<1	0
Magnesium	ppm	ASTM D5185m	<b>30</b>	24	18
Calcium	ppm	ASTM D5185m	<b>3245</b>	3074	2089
Phosphorus	ppm	ASTM D5185m	<b>1100</b>	1014	1110
Zinc	ppm	ASTM D5185m	<b>1314</b>	1211	809
Sulfur	ppm	ASTM D5185m	<b>6401</b>	5512	---

## CONTAMINANTS

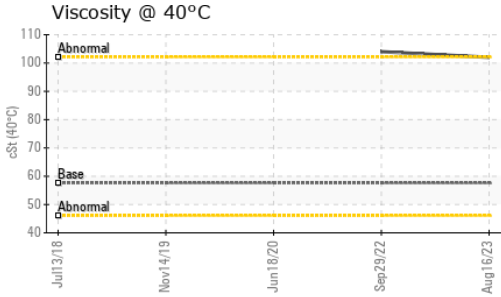
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>14</b>	13	31
Sodium	ppm	ASTM D5185m	<b>2</b>	0	3
Potassium	ppm	ASTM D5185m >20	<b>0</b>	2	4
Chlorine	ppm	ASTM D5185m	<b>---</b>	---	0

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
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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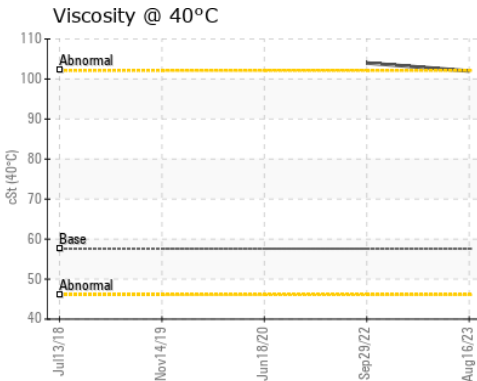
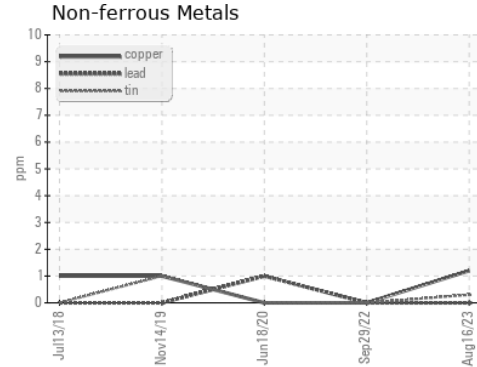
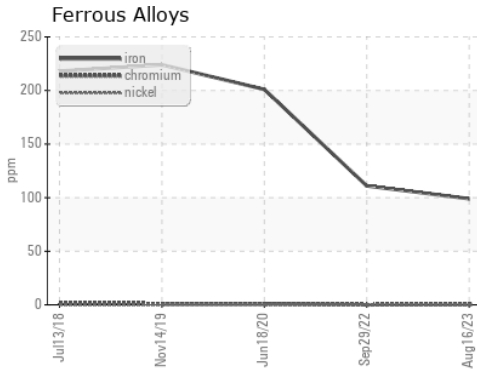
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	57.6	<b>102</b>	104	---

### 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.** : SBP0004664 **Received** : 21 Aug 2023  
**Lab Number** : 05930039 **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10615310 **Diagnostician** : Sean Felton  
**Test Package** : FLEET

**Constructors Inc. - 603659**  
 1815 Y Street  
 Lincoln, NE  
 US 68508

Contact: Jack Linhart  
 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)