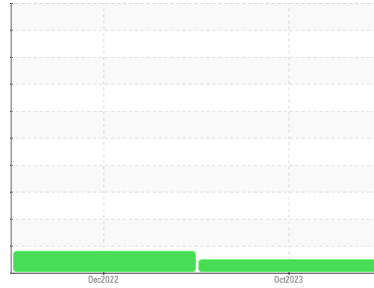




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**CONSTRUCTORS, INC**  
 Machine Id  
**VOLVO D13 SCR 121265**  
 Component  
**Transmission (Auto)**  
 Fluid  
**MOBIL ATF (--- GAL)**

## 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 fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>SBP0004897</b>	SBP0002272	---
Sample Date	Client Info		<b>12 Oct 2023</b>	16 Dec 2022	---
Machine Age	hrs	Client Info	<b>10741</b>	8525	---
Oil Age	hrs	Client Info	<b>2216</b>	2418	---
Oil Changed		Client Info	<b>N/A</b>	Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>74</b>	▲ 250	---
Chromium	ppm	ASTM D5185m >5	<b>3</b>	<1	---
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >50	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185m >50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >225	<b>2</b>	8	---
Tin	ppm	ASTM D5185m >10	<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>92</b>	64	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	<b>0</b>	2	---
Magnesium	ppm	ASTM D5185m	<b>1</b>	0	---
Calcium	ppm	ASTM D5185m	<b>93</b>	85	---
Phosphorus	ppm	ASTM D5185m	<b>120</b>	169	---
Zinc	ppm	ASTM D5185m	<b>4</b>	7	---
Sulfur	ppm	ASTM D5185m	<b>1993</b>	2140	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>3</b>	3	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	5	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	---

## VISUAL

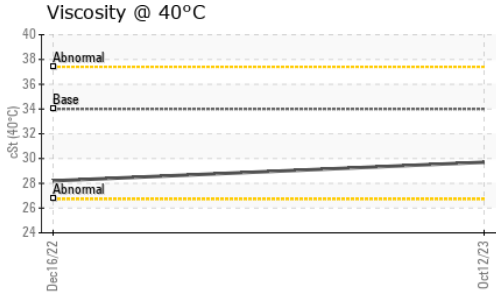
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Sand/Dirt	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 >0.1	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 34	<b>29.7</b>	28.2	---

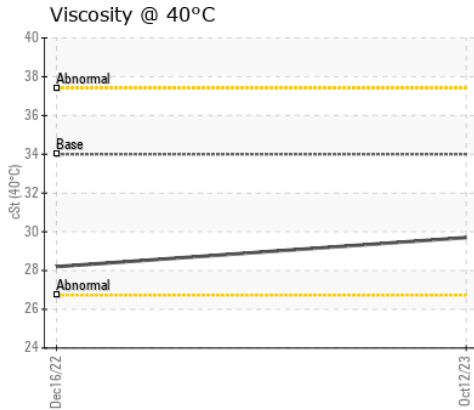
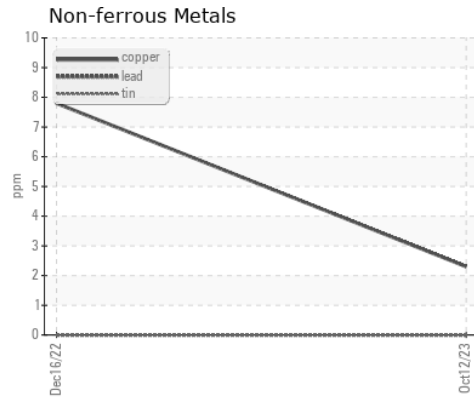
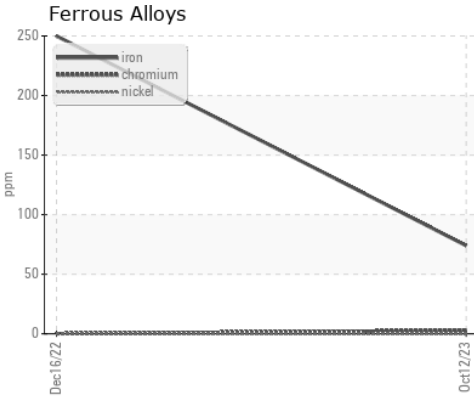


# OIL ANALYSIS REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : SBP0004897      **Received** : 16 Oct 2023  
**Lab Number** : **05980774**      **Diagnosed** : 18 Oct 2023  
**Unique Number** : 10698069      **Diagnostician** : Don Baldrige  
**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)