

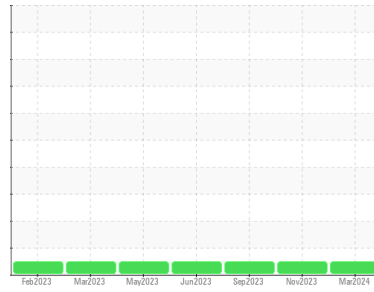


# OIL ANALYSIS REPORT



Machine Id  
**CATERPILLAR D6 10034 (S/N KEW01121)**  
 Component  
**Transmission (Manual)**  
 Fluid  
**TDTO FLUID SAE 30 (--- 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 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>WC0913210</b>	WC0862947	WC0831346
Sample Date	Client Info			<b>25 Mar 2024</b>	09 Nov 2023	14 Sep 2023
Machine Age	hrs	Client Info		<b>3781</b>	3109	2835
Oil Age	hrs	Client Info		<b>682</b>	959	683
Oil Changed	Client Info			<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>2</b>	4	6
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	4
Lead	ppm	ASTM D5185m	>45	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>225	<b>5</b>	7	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

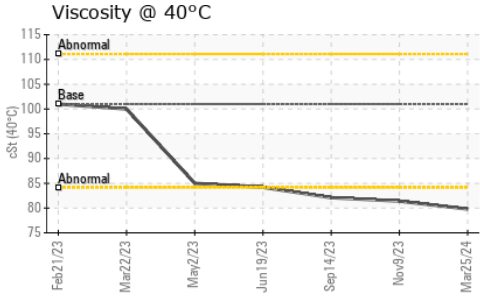
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	<b>8</b>	10	11
Barium	ppm	ASTM D5185m	7	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>4</b>	4	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	40	<b>55</b>	48	54
Calcium	ppm	ASTM D5185m	2650	<b>2997</b>	2669	3140
Phosphorus	ppm	ASTM D5185m	1050	<b>962</b>	898	957
Zinc	ppm	ASTM D5185m	1075	<b>1113</b>	1017	1174
Sulfur	ppm	ASTM D5185m	5750	<b>4233</b>	3547	4816

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	<b>4</b>	6	6
Sodium	ppm	ASTM D5185m		<b>2</b>	<1	2
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0

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	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



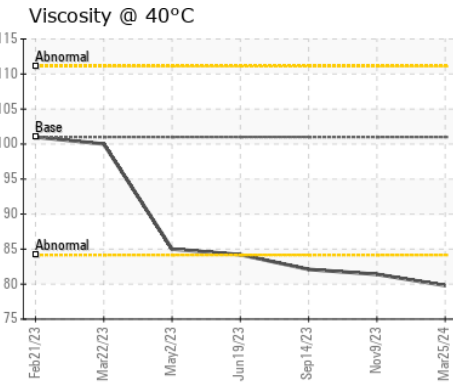
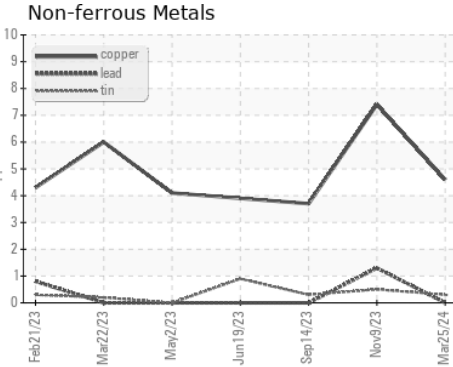
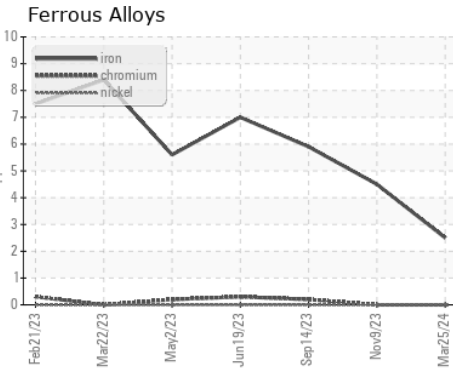
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	101	<b>79.8</b>	81.4	82.1

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0913210      **Received** : 03 Apr 2024  
**Lab Number** : **06137814**      **Tested** : 04 Apr 2024  
**Unique Number** : 10962622      **Diagnosed** : 04 Apr 2024 - Wes Davis  
**Test Package** : CONST

**TRADER CONSTRUCTION CO.**  
 PO DRAWER 1578  
 NEW BERN, NC  
 US 28563  
 Contact: MIKE WYATT  
 mw Wyatt@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)