



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**CATERPILLAR 330D 125**  
 Component  
**Hydraulic System**  
 Fluid  
**PETRO CANADA 10W (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0917093</b>	WC0517494	---
Sample Date		Client Info		<b>28 May 2024</b>	14 Aug 2023	---
Machine Age	hrs	Client Info		<b>768</b>	7962	---
Oil Age	hrs	Client Info		<b>250</b>	0	---
Filter Age	hrs	Client Info		<b>250</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>13</b>	13	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>2</b>	3	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	1	---
Lead	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>75	<b>9</b>	7	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

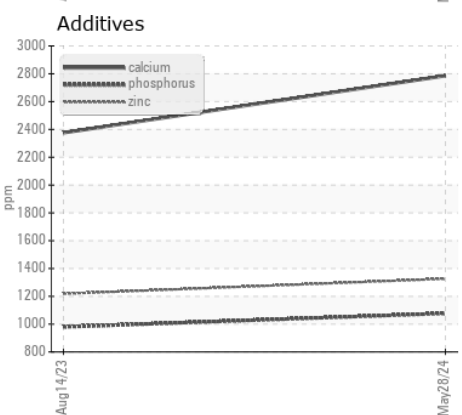
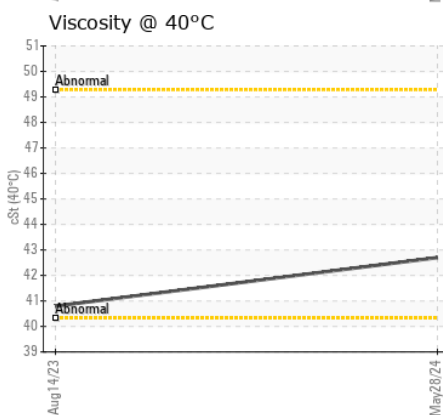
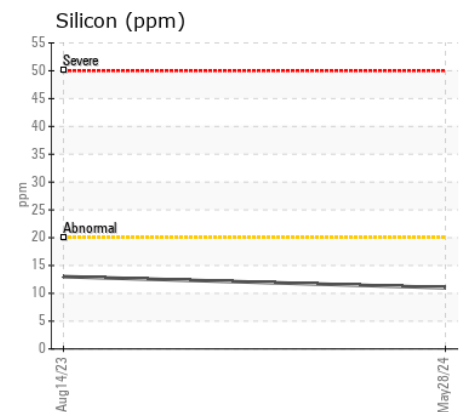
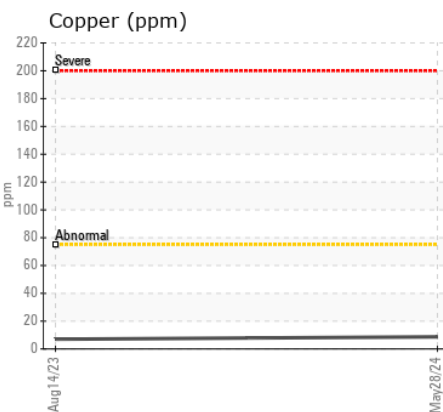
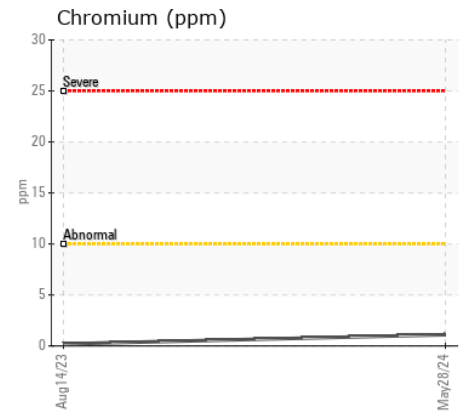
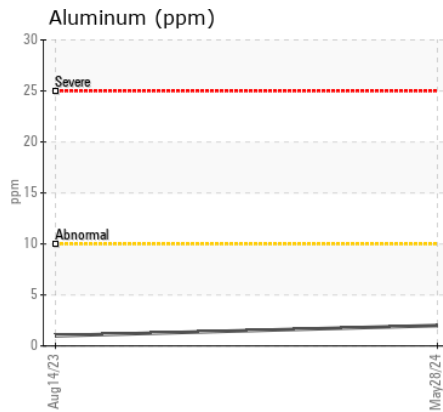
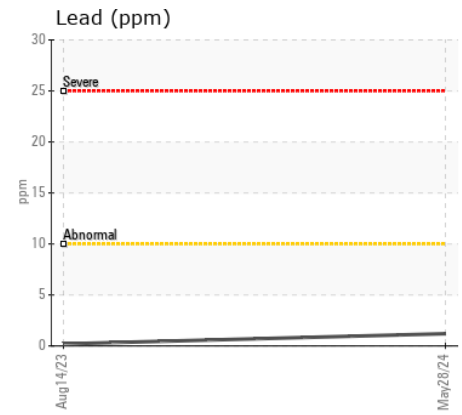
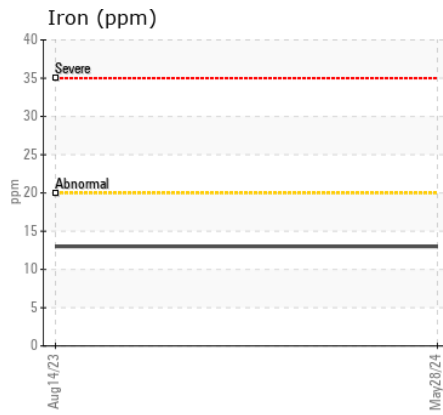
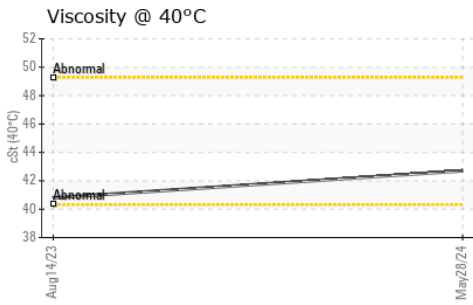
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>11</b>	13	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
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	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	4	---
Boron	ppm	ASTM D5185m		<b>90</b>	96	---
Barium	ppm	ASTM D5185m		<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>4</b>	3	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>116</b>	164	---
Calcium	ppm	ASTM D5185m		<b>2786</b>	2376	---
Phosphorus	ppm	ASTM D5185m		<b>1077</b>	980	---
Zinc	ppm	ASTM D5185m		<b>1326</b>	1218	---
Sulfur	ppm	ASTM D5185m		<b>3622</b>	4231	---
Visc @ 40°C	cSt	ASTM D445		<b>42.7</b>	40.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0917093 **Received** : 27 Jun 2024  
**Lab Number** : 06222702 **Tested** : 28 Jun 2024  
**Unique Number** : 11100899 **Diagnosed** : 29 Jun 2024 - Don Baldrige  
**Test Package** : MOB 1

**C.L. BENTON & SONS INC**  
 706 38TH AVE N  
 MYRTLE BEACH, SC  
 US 29577  
 Contact: JAMIE HUCKS  
 shop@clbenton.com

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)

T:  
F: