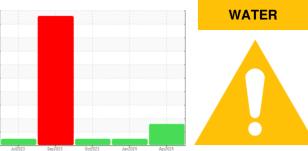


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **CATERPILLAR 345 122**

Diesel Engine

PETRO CANADA 15W40 (--- GAL)

## **DIAGNOSIS**

#### Recommendation

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

There is a light concentration of water present in the

### **Fluid Condition**

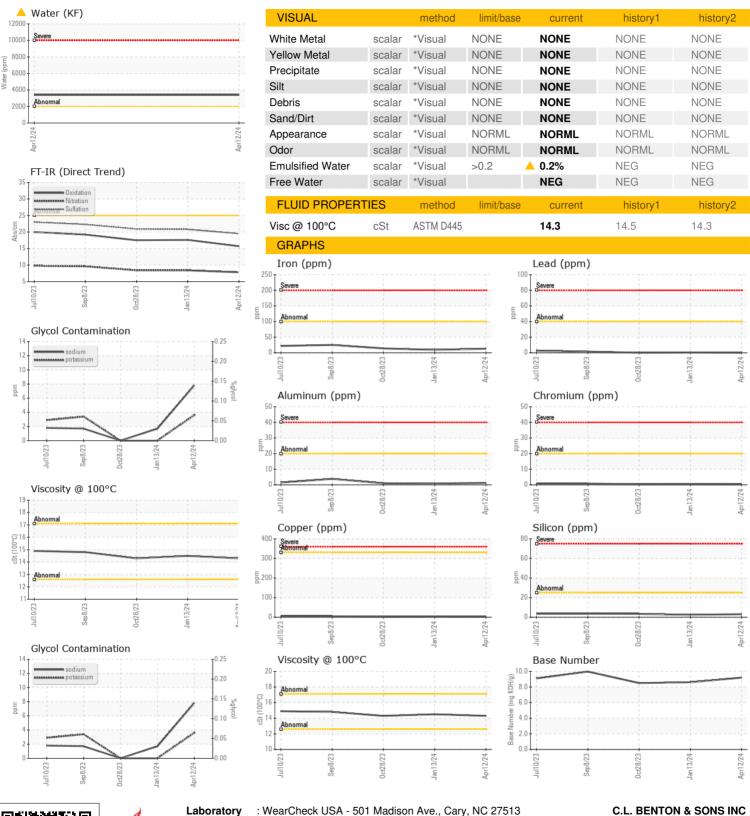
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

		Jul2023	Sep2023	Oct2023 Jan 2024	Apr2024	,
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0893846	WC0879015	WC0868153
Sample Date		Client Info		12 Apr 2024	13 Jan 2024	28 Oct 2023
Machine Age	hrs	Client Info		21213	20936	20657
Oil Age	hrs	Client Info		277	279	256
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	13	9	14
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		1	<1	1
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	2	4	2
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
			III III Dasc			
Boron	ppm	ASTM D5185m		3	0	9
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		60	60	62
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		971	933	956
Calcium	ppm	ASTM D5185m		1062	996	1070
Phosphorus	ppm	ASTM D5185m		1021	1035	1035
Zinc	ppm	ASTM D5185m		1249	1209	1284
Sulfur	ppm	ASTM D5185m		3313	2782	2968
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	2	3
Sodium	ppm	ASTM D5185m		8	2	0
Potassium	ppm	ASTM D5185m	>20	4	0	0
Water	%	ASTM D6304	>0.2	<b>△</b> 0.340		
ppm Water	ppm	ASTM D6304	>2000	<u>^</u> 3400		
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.8	8.4	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	20.8	20.9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	17.6	17.5
Base Number (BN)	mg KOH/g	ASTM D2896		9.2	8.6	8.5
(2.1)	3					

Contact/Location: JAMIE HUCKS - CLBMYR



## **OIL ANALYSIS REPORT**







Sample No.

: WC0893846 Lab Number : 06183805 Unique Number : 11035131

Received **Tested** 

: 22 May 2024 Diagnosed : 22 May 2024 - Jonathan Hester

Test Package : MOB 1 ( Additional Tests: Glycol, KF, TBN ) Certificate 12367 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.

: 17 May 2024

706 38TH AVE N

MYRTLE BEACH, SC US 29577 Contact: JAMIE HUCKS

shop@clbenton.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: