

# **OIL ANALYSIS REPORT**

## Sample Rating Trend



Machine Id

# **NORTH WEST CRANE 150**

Diesel Engine

PETRO CANADA 15W40 (--- GAL)

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

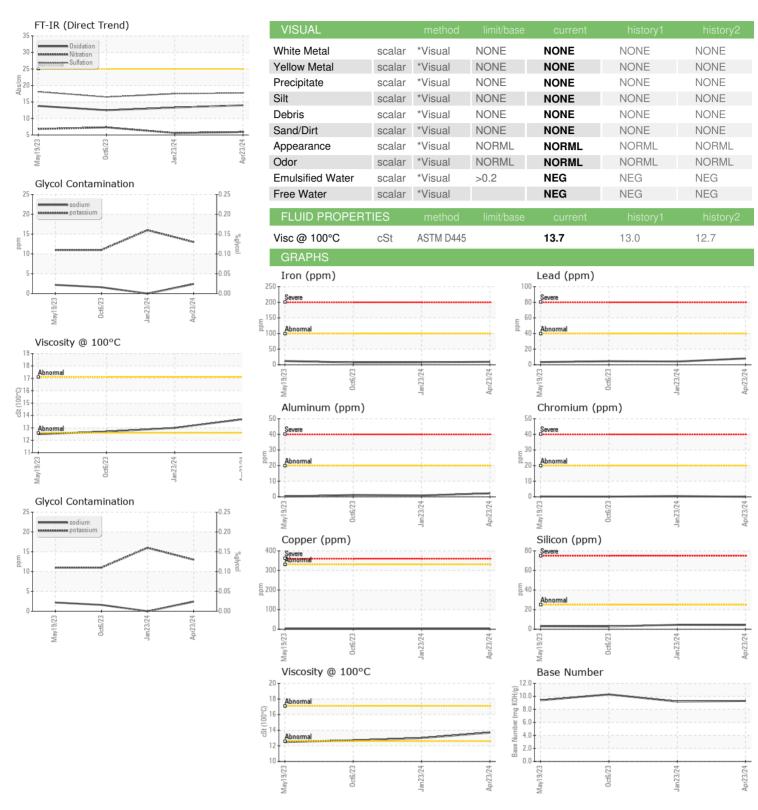
## **Fluid Condition**

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

		May202	3 Oct2023	Jan2024 A	pr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917246	WC0878822	WC0822242
Sample Date		Client Info		23 Apr 2024	23 Jan 2024	06 Oct 2023
Machine Age	hrs	Client Info		12296	11955	11705
Oil Age	hrs	Client Info		246	250	250
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9	8	7
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	<1	1
Lead	ppm	ASTM D5185m	>40	8	4	4
Copper	ppm	ASTM D5185m	>330	3	3	2
Tin	ppm	ASTM D5185m	>15	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	6	9
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		56	60	57
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		915	944	933
Calcium	ppm	ASTM D5185m		1007	981	1018
Phosphorus	ppm	ASTM D5185m		980	919	1045
Zinc	ppm	ASTM D5185m		1168	1208	1248
Sulfur	ppm	ASTM D5185m		3289	2908	3100
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	3
Sodium	ppm	ASTM D5185m		2	0	2
Potassium	ppm	ASTM D5185m	>20	13	16	11
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.9	5.6	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	17.5	16.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	A1 / 4	*ACTM D7414	>25	14.0	13.3	10.5
Oxidation	Ans/ 1mm	AS IIVI 11/414		14.0		12.5
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>23	9.3	9.2	12.5 10.3



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06183816 Unique Number : 11035142

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0917246

Received **Tested** Diagnosed

: 22 May 2024 : 22 May 2024 - Jonathan Hester

Test Package : MOB 1 ( Additional Tests: Glycol, TBN )

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: 17 May 2024

\* - 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)

**C.L. BENTON & SONS INC** 

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Report Id: CLBMYR [WUSCAR] 06183816 (Generated: 05/22/2024 17:01:23) Rev: 1

Contact/Location: JAMIE HUCKS - CLBMYR