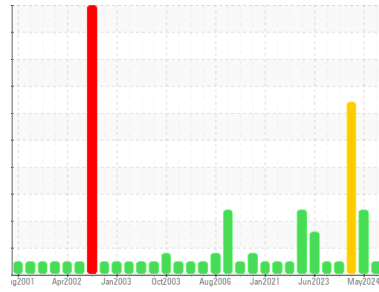




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**NORDBERG 5010**

Component  
**Circulating System**

Fluid  
**PETRO CANADA ENDURATEX EP 68 (220 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 oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0898774</b>	WC0898775	WC0898776
Sample Date	Client Info		<b>14 May 2024</b>	03 May 2024	26 Apr 2024
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>45</b>	8	323
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	ATTENTION	SEVERE

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	<b>4</b>	3	28
Chromium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	<b>0</b>	<1	1
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	<b>&lt;1</b>	<1	3
Lead	ppm	ASTM D5185m	<b>15</b>	13	189
Copper	ppm	ASTM D5185m	<b>20</b>	16	▲ 186
Tin	ppm	ASTM D5185m	<b>1</b>	2	▲ 13
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	69	<b>20</b>	21	<1
Barium	ppm	ASTM D5185m	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	1	<b>&lt;1</b>	1	<1
Manganese	ppm	ASTM D5185m	1	<b>0</b>	<1	1
Magnesium	ppm	ASTM D5185m	1	<b>0</b>	2	1
Calcium	ppm	ASTM D5185m	1	<b>13</b>	19	8
Phosphorus	ppm	ASTM D5185m	246	<b>184</b>	178	230
Zinc	ppm	ASTM D5185m	1	<b>0</b>	11	16
Sulfur	ppm	ASTM D5185m	3670	<b>11862</b>	10691	10393

## CONTAMINANTS

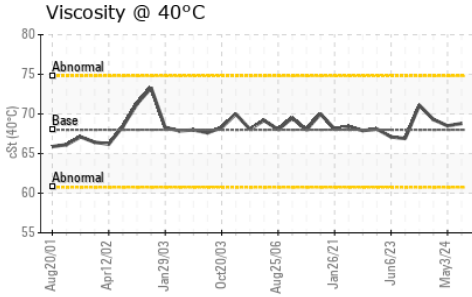
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m		<b>11</b>	16	12
Sodium	ppm	ASTM D5185m		<b>2</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	2

## 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	▲ MODER
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>	● HAZY	● MILKY
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual		<b>NEG</b>	▲ 0.2%	▲ 0.2%
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



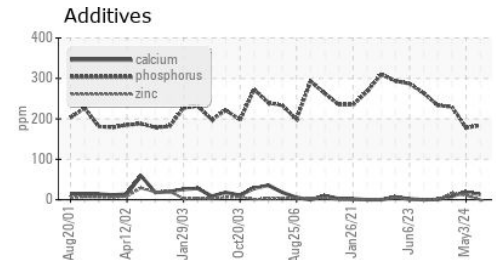
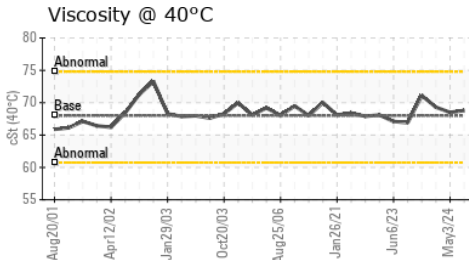
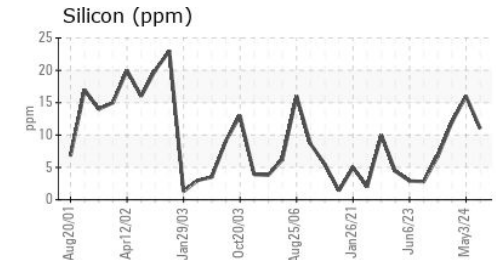
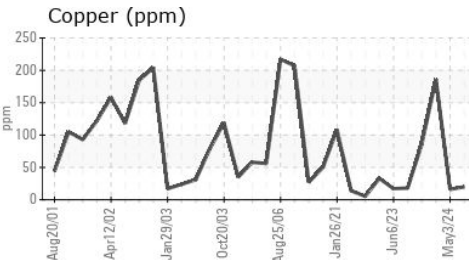
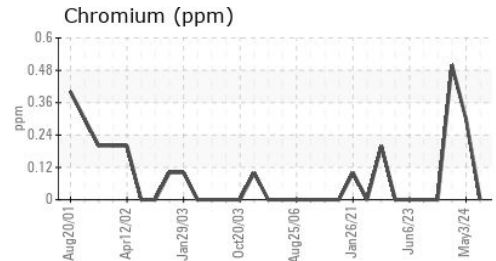
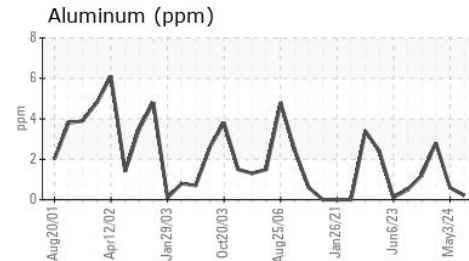
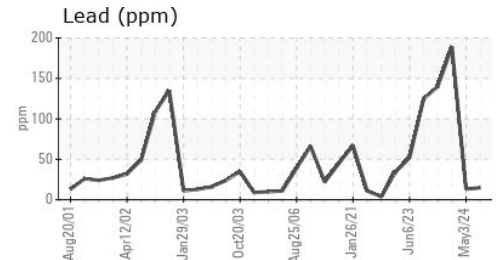
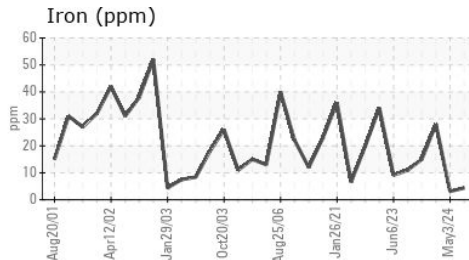
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.0	<b>68.8</b>	68.5	69.3

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0898774  
**Lab Number** : 06182135  
**Unique Number** : 11033461  
**Test Package** : MOB 1

**Received** : 16 May 2024  
**Tested** : 18 May 2024  
**Diagnosed** : 20 May 2024 - Angela Borella

**WAKE STONE CORPORATION-CARY**  
 222 STAR LANE  
 CARY, NC  
 US 27591

Contact: PAXTON LANIER  
 PAXTONLANIER@WAKESTONECORP.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)

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