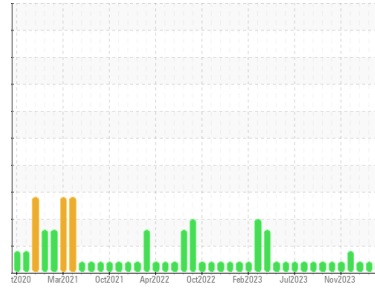




# OIL ANALYSIS REPORT

Sample Rating Trend



PH



Area  
**centre énergétique**  
 Machine Id  
**14-1801-04**  
 Component  
**4 Screw Compressor**  
 Fluid  
**SULLAIR SULLUBE (500 LTR)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. La propreté du système et du fluide est acceptable.

### Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0912873</b>	WC0892381	WC0827937
Sample Date	Client Info		<b>11 Mar 2024</b>	13 Feb 2024	16 Jan 2024
Machine Age	hrs	Client Info	<b>0</b>	41706	0
Oil Age	hrs	Client Info	<b>0</b>	4140	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >60	<b>3</b>	3	2
Chromium	ppm	ASTM D5185(m) >4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m) >30	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 12	<b>&lt;1</b>	<1	<1
Barium	ppm	ASTM D5185(m) 500	<b>493</b>	650	684
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 0.0	<b>0</b>	<1	<1
Calcium	ppm	ASTM D5185(m) 8.2	<b>3</b>	4	4
Phosphorus	ppm	ASTM D5185(m) 4.0	<b>0</b>	0	0
Zinc	ppm	ASTM D5185(m) 0.1	<b>5</b>	6	5
Sulfur	ppm	ASTM D5185(m) 240	<b>452</b>	463	452
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

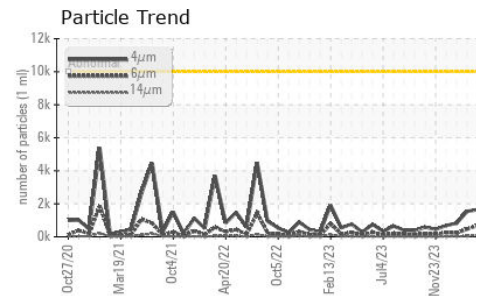
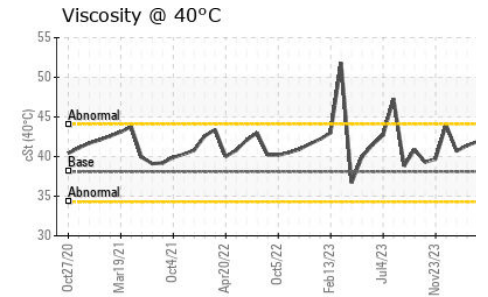
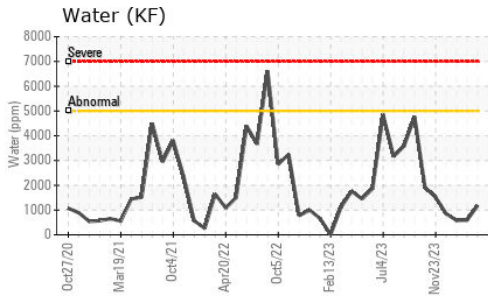
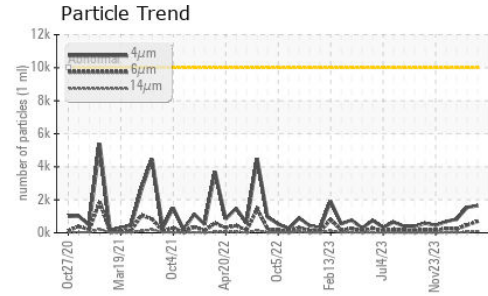
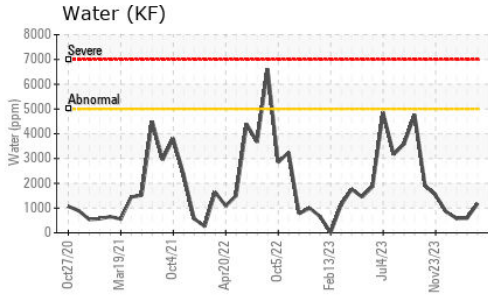
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	1
Sodium	ppm	ASTM D5185(m)	<b>55</b>	59	61
Potassium	ppm	ASTM D5185(m) >20	<b>8</b>	10	8
Water	%	ASTM D6304* >0.5	<b>0.118</b>	0.058	0.058
ppm Water	ppm	ASTM D6304* >5000	<b>1187</b>	588	580

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>1650</b>	1539	822
Particles >6µm	ASTM D7647	>2500	<b>683</b>	475	233
Particles >14µm	ASTM D7647	>320	<b>85</b>	40	27
Particles >21µm	ASTM D7647	>80	<b>22</b>	6	9
Particles >38µm	ASTM D7647	>20	<b>1</b>	0	1
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>18/17/14</b>	18/16/12	17/15/12



# OIL ANALYSIS REPORT



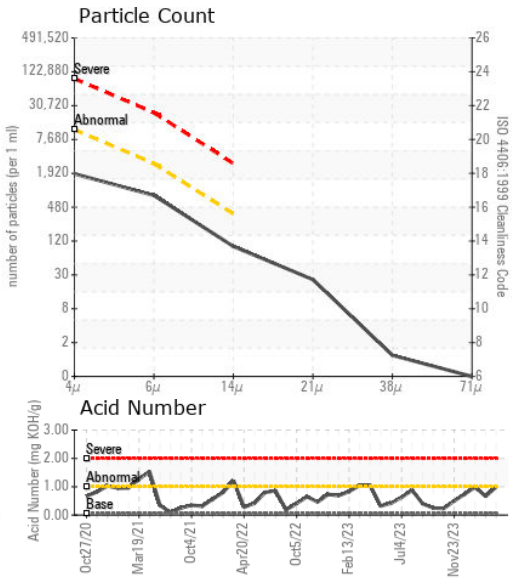
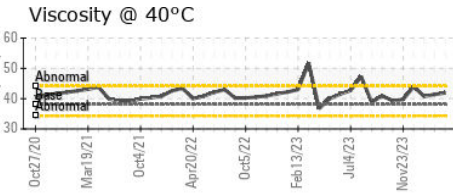
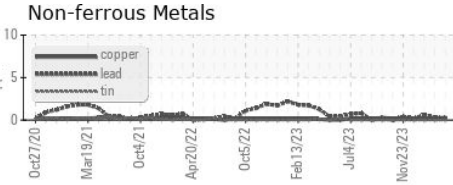
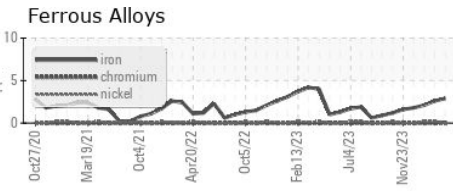
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.06	<b>1.00</b>	0.66	0.99

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*	>0.5	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287*		<b>▲ 2.45</b>	▲ 3.84	▲ 3.79
Visc @ 40°C	cSt	ASTM D7279(m)	38.1	<b>41.9</b>	41.4	40.7

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0912873 **Received** : 15 Mar 2024  
**Lab Number** : **02622354** **Tested** : 19 Mar 2024  
**Unique Number** : 5747473 **Diagnosed** : 19 Mar 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, pH, TAN Man )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**RTA - UGB**  
 C.P. 900  
 Ville de la Baie, QC  
 CA G7B 4G9  
 Contact: Alcan Epc  
 mathieu.tremblay2@riotinto.com  
 T: (418)697-9568  
 F: (418)697-9550