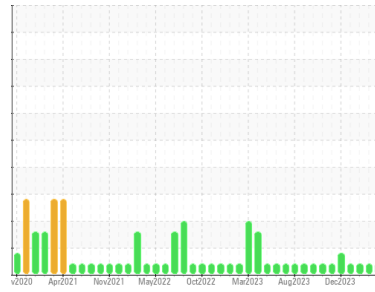




# OIL ANALYSIS REPORT

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>WC0915599</b>	WC0912873	WC0892381
Sample Date	Client Info		<b>05 Apr 2024</b>	11 Mar 2024	13 Feb 2024
Machine Age	hrs	Client Info	<b>42952</b>	0	41706
Oil Age	hrs	Client Info	<b>5386</b>	0	4140
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	3
Chromium	ppm	ASTM D5185(m) >4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	0	<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>0</b>	<1	<1
Lead	ppm	ASTM D5185(m) >10	<b>0</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>357</b>	493	650
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>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m) 8.2	<b>2</b>	3	4
Phosphorus	ppm	ASTM D5185(m) 4.0	<b>&lt;1</b>	0	0
Zinc	ppm	ASTM D5185(m) 0.1	<b>4</b>	5	6
Sulfur	ppm	ASTM D5185(m) 240	<b>404</b>	452	463
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

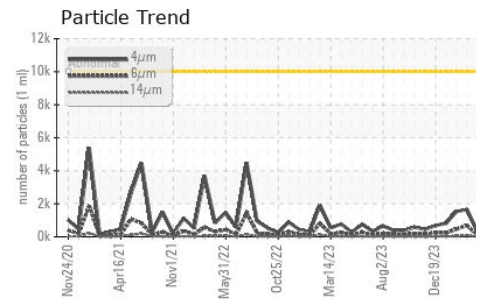
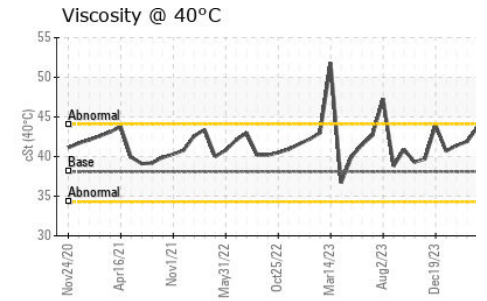
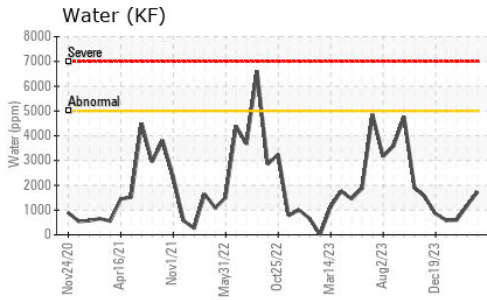
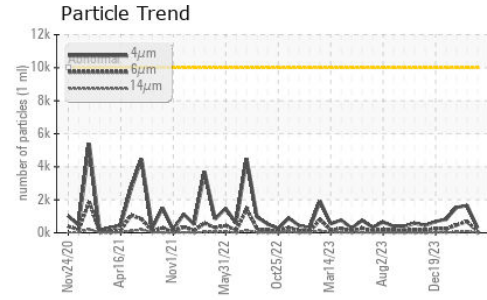
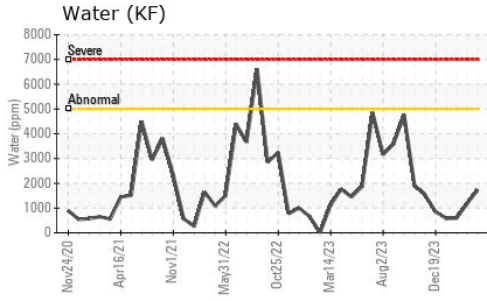
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>0</b>	<1	<1
Sodium	ppm	ASTM D5185(m)	<b>33</b>	55	59
Potassium	ppm	ASTM D5185(m) >20	<b>11</b>	8	10
Water	%	ASTM D6304* >0.5	<b>0.172</b>	0.118	0.058
ppm Water	ppm	ASTM D6304* >5000	<b>1725</b>	1187	588

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>299</b>	1650	1539
Particles >6µm	ASTM D7647	>2500	<b>82</b>	683	475
Particles >14µm	ASTM D7647	>320	<b>10</b>	85	40
Particles >21µm	ASTM D7647	>80	<b>3</b>	22	6
Particles >38µm	ASTM D7647	>20	<b>0</b>	1	0
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>15/14/10</b>	18/17/14	18/16/12



# OIL ANALYSIS REPORT



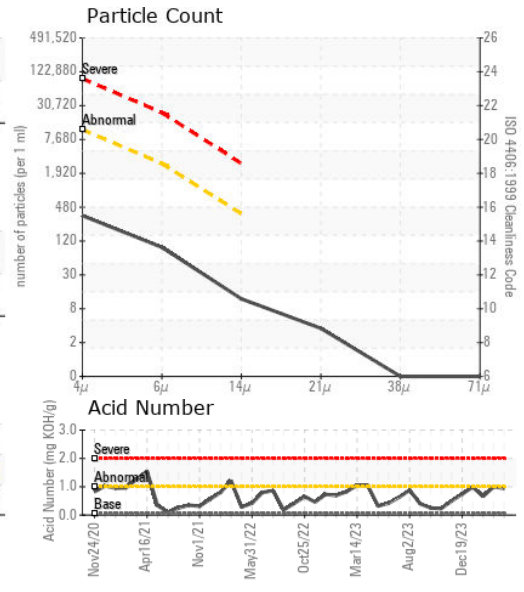
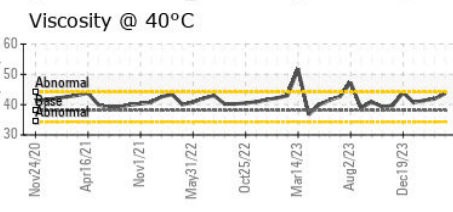
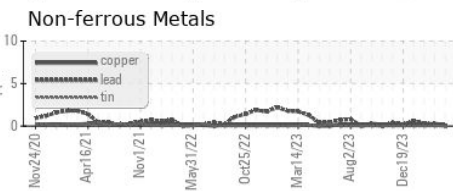
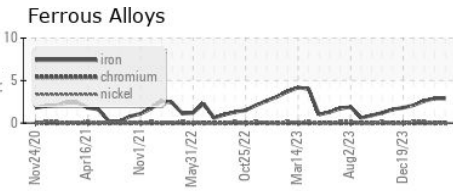
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.06	<b>0.94</b>	1.00	0.66

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>VLITE</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>▲ 3.46</b>	▲ 2.45	▲ 3.84
Visc @ 40°C	cSt	ASTM D7279(m)	38.1	<b>43.7</b>	41.9	41.4

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0915599 **Received** : 08 Apr 2024  
**Lab Number** : **02627377** **Tested** : 10 Apr 2024  
**Unique Number** : 5760509 **Diagnosed** : 10 Apr 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.

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