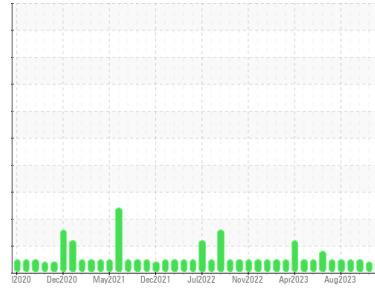




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**centre énergétique**  
 Machine Id  
**14-1801-01**  
 Component  
**1 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>WC0879176</b>	WC0858536	WC0852813
Sample Date	Client Info	<b>19 Dec 2023</b>	23 Nov 2023	24 Oct 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >60	<b>6</b>	4	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>	<1	<1
Aluminum	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	0	0
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>0</b>	<1	<1
Barium	ppm	ASTM D5185(m) 500	<b>695</b>	653	626
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>	0	0
Calcium	ppm	ASTM D5185(m) 8.2	<b>3</b>	4	4
Phosphorus	ppm	ASTM D5185(m) 4.0	<b>0</b>	<1	0
Zinc	ppm	ASTM D5185(m) 0.1	<b>4</b>	4	4
Sulfur	ppm	ASTM D5185(m) 240	<b>393</b>	369	358
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

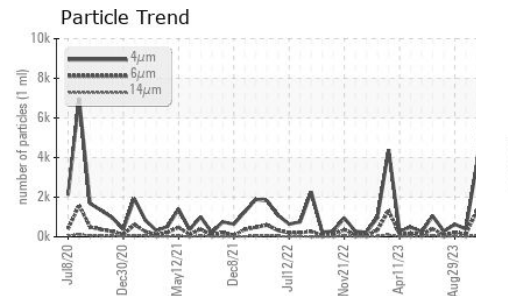
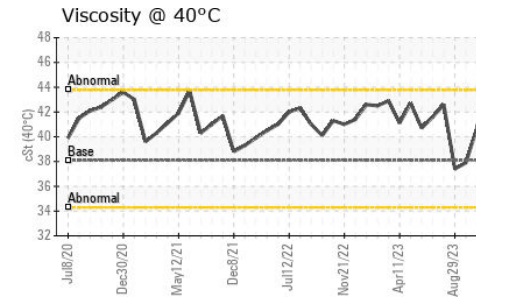
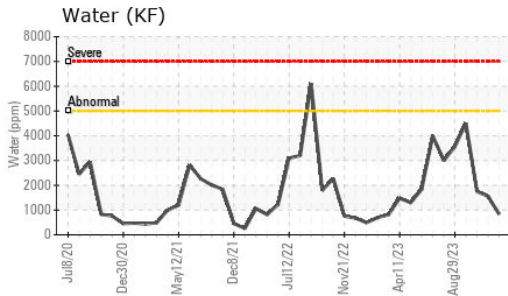
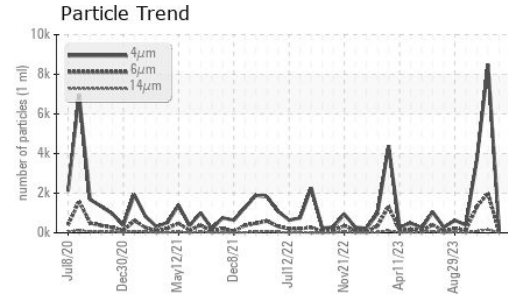
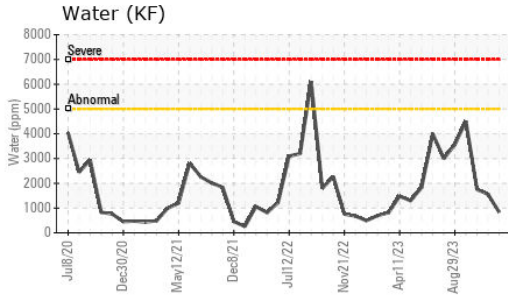
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	2	<1
Sodium	ppm	ASTM D5185(m)	<b>65</b>	62	71
Potassium	ppm	ASTM D5185(m) >20	<b>7</b>	6	5
Water	%	ASTM D6304* >0.5	<b>0.083</b>	0.155	0.175
ppm Water	ppm	ASTM D6304* >5000	<b>837</b>	1557	1751.3

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>229</b>	8499	3740
Particles >6µm	ASTM D7647 >2500	<b>76</b>	1986	1319
Particles >14µm	ASTM D7647 >320	<b>8</b>	158	80
Particles >21µm	ASTM D7647 >80	<b>2</b>	36	15
Particles >38µm	ASTM D7647 >20	<b>1</b>	2	1
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >18/15	<b>13/10</b>	18/14	18/13



# OIL ANALYSIS REPORT

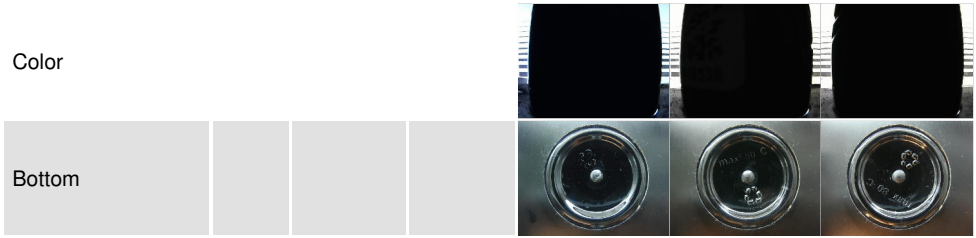


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.06	<b>0.55</b>	0.33	0.23

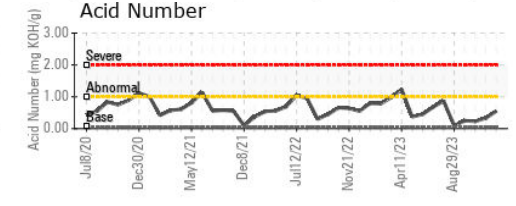
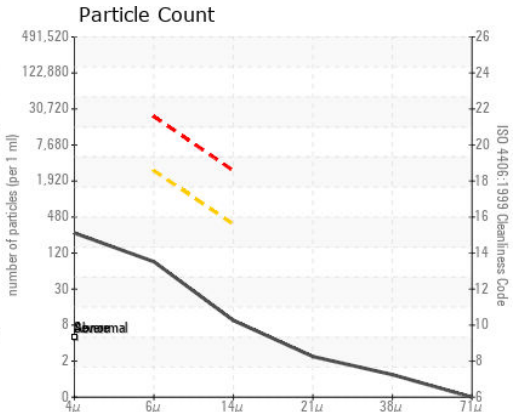
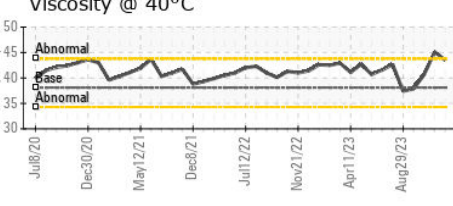
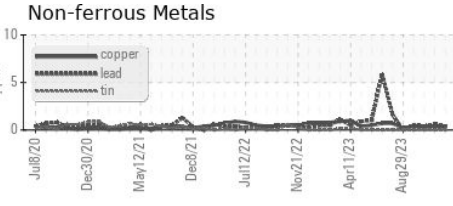
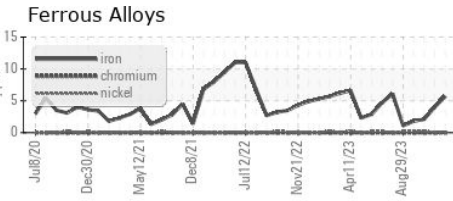
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	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
Visc @ 40°C	cSt	ASTM D7279(m)	38.1	<b>43.5</b>	▲ 45.1	40.7

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0879176 **Received** : 22 Dec 2023  
**Lab Number** : **02605002** **Diagnosed** : 27 Dec 2023  
**Unique Number** : 5698087 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, 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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