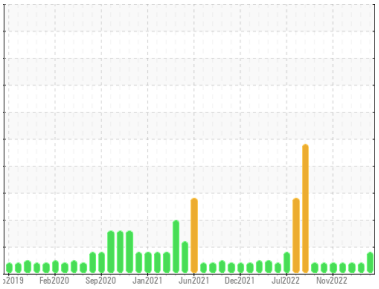
PROBLEM SUMMARY

Area
centre énergetique
Machine Id
14-1801-06
Component
6 Screw Compressor
Fluid
SULLAIR SULLUBE (500 LTR)

Sample Rating Trend



ADDITIVES

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Barium	ppm	ASTM D5185(m)	500	▲ **236**	686	677
pH	Scale 0-14	ASTM D1287*		▲ **3.81**	▲ 5.78	▲ 4.78

Customer Id: ALCBAI
Sample No.: WC0850755
Lab Number: 02589341
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Fluid Source	---	---	?	Confirm the source of the lubricant being utilized for top-up/fill.

HISTORICAL DIAGNOSIS

13 Feb 2023 Diag: Kevin Marson

PH

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.Les taux d`usure de tous les composants sont normaux. 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. Le pH est marginalement bas. Le AN est acceptable pour ce fluide. L`état de l`huile permet d`en prolonger l`utilisation.

view report

---

17 Jan 2023 Diag: Kevin Marson

PH

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.Les taux d`usure de tous les composants sont normaux. 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. Le AN est acceptable pour ce fluide. L`état de l`huile permet d`en prolonger l`utilisation.

view report

---

21 Dec 2022 Diag: Kevin Marson

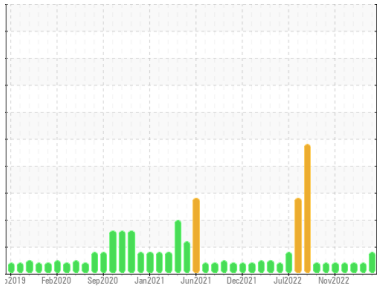
PH

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.Les taux d`usure de tous les composants sont normaux. 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. Le AN est acceptable pour ce fluide. L`état de l`huile permet d`en prolonger l`utilisation.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



ADDITIVES

Area
centre énergetique
Machine Id
14-1801-06
Component
6 Screw Compressor
Fluid
SULLAIR SULLUBE (500 LTR)

DIAGNOSIS

Recommendation
Confirm the source of the lubricant being utilized for top-up/fill. 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
Les niveaux d`additifs indiquent l`ajout d`une autre marque ou d`un autre type d`huile. 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		**WC0850755**	WC0782067	WC0765258
Sample Date		Client Info		**10 Mar 2023**	13 Feb 2023	17 Jan 2023
Machine Age	hrs	Client Info		**0**	0	90167
Oil Age	hrs	Client Info		**0**	0	90167
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

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

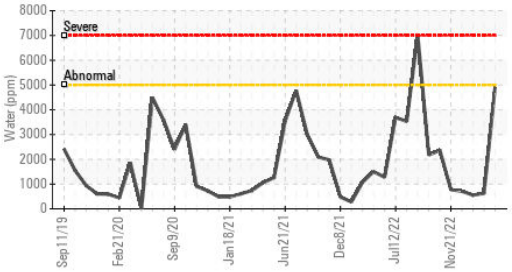
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	12	**<1**	<1	<1
Barium	ppm	ASTM D5185(m)	500	▲ **236**	686	677
Molybdenum	ppm	ASTM D5185(m)	0.0	**0**	0	0
Manganese	ppm	ASTM D5185(m)		**0**	0	0
Magnesium	ppm	ASTM D5185(m)	0.0	**0**	0	0
Calcium	ppm	ASTM D5185(m)	8.2	**4**	<1	0
Phosphorus	ppm	ASTM D5185(m)	4.0	**<1**	0	0
Zinc	ppm	ASTM D5185(m)	0.1	**10**	4	3
Sulfur	ppm	ASTM D5185(m)	240	**277**	412	384
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	**<1**	2	2
Sodium	ppm	ASTM D5185(m)		**51**	50	49
Potassium	ppm	ASTM D5185(m)	>20	**8**	4	4
Water	%	ASTM D6304*	>0.5	**0.490**	0.062	0.055
ppm Water	ppm	ASTM D6304*	>5000	**4900.2**	626.2	552.6

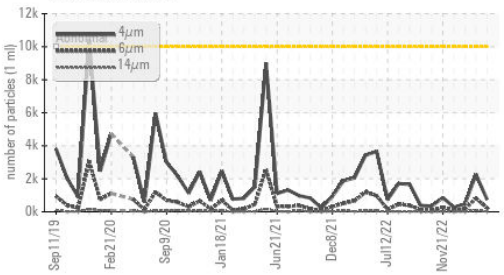
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	**744**	2266	478
Particles >6µm		ASTM D7647	>2500	**231**	819	155
Particles >14µm		ASTM D7647	>320	**19**	85	16
Particles >21µm		ASTM D7647	>80	**3**	18	7
Particles >38µm		ASTM D7647	>20	**1**	0	0
Particles >71µm		ASTM D7647	>4	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	**17/15/11**	18/17/14	16/14/11

OIL ANALYSIS REPORT

Water (KF)



Particle Trend

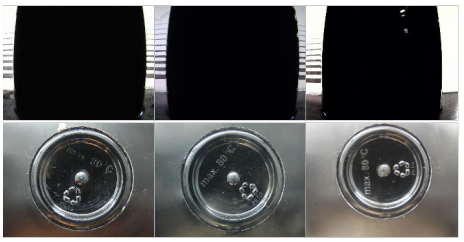


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.06	**0.53**	0.44	0.42

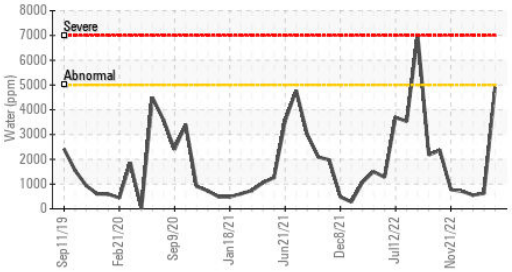
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	NORML	NORML
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.5	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287*		▲ **3.81**	▲ 5.78	▲ 4.78
Visc @ 40°C	cSt	ASTM D7279(m)	38.1	**40.8**	40.6	40.3

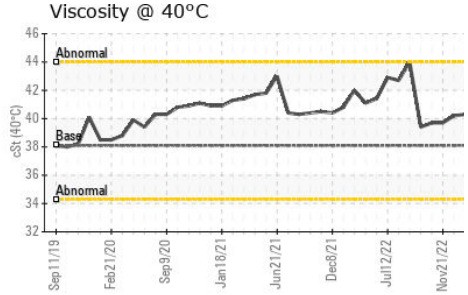
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



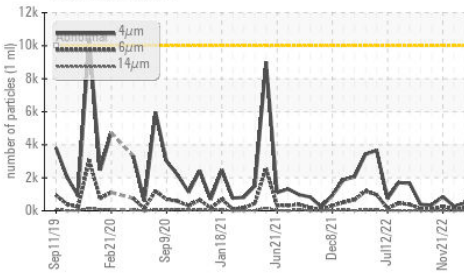
Water (KF)



Viscosity @ 40°C

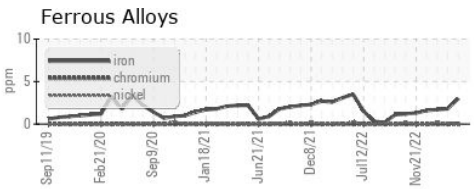


Particle Trend

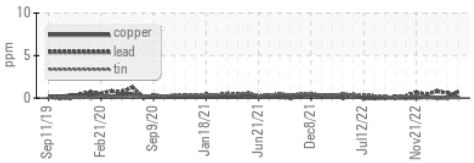


GRAPHS

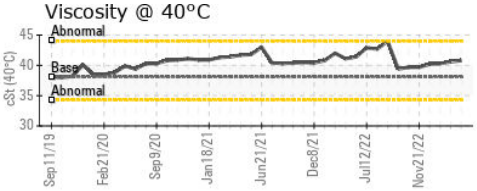
Ferrous Alloys



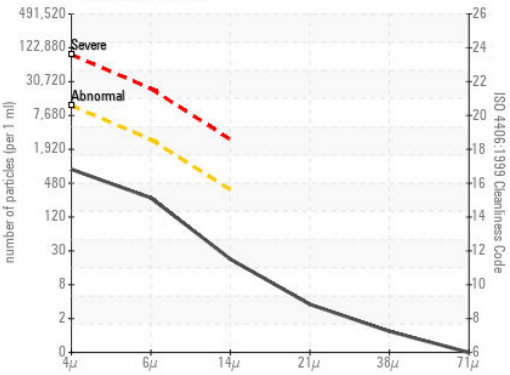
Non-ferrous Metals



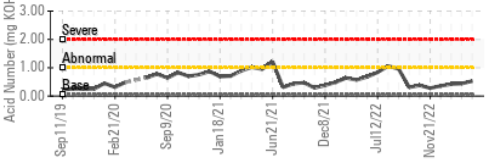
Viscosity @ 40°C



Particle Count



Acid Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0850755 **Received** : 16 Oct 2023
Lab Number : 02589341 **Diagnosed** : 17 Oct 2023
Unique Number : 5658407 **Diagnostician** : 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