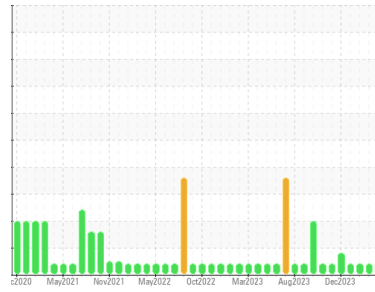




OIL ANALYSIS REPORT

Sample Rating Trend



PH



Area

centre énergétique

Machine Id
14-1801-03

Component
3 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		WC0915602	WC0912872	WC0892380
Sample Date	Client Info		09 Apr 2024	11 Mar 2024	13 Feb 2024
Machine Age	hrs	Client Info	156486	0	5149
Oil Age	hrs	Client Info	6390	0	0
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	4	4	4
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)	0	0	0
Aluminum	ppm	ASTM D5185(m) >5	<1	<1	<1
Lead	ppm	ASTM D5185(m) >10	0	0	<1
Copper	ppm	ASTM D5185(m) >30	1	1	1
Tin	ppm	ASTM D5185(m) >15	0	0	0
Antimony	ppm	ASTM D5185(m)	0	0	0
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	256	265	264
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	<1	<1	<1
Calcium	ppm	ASTM D5185(m) 8.2	5	5	5
Phosphorus	ppm	ASTM D5185(m) 4.0	0	0	0
Zinc	ppm	ASTM D5185(m) 0.1	5	5	6
Sulfur	ppm	ASTM D5185(m) 240	333	317	312
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

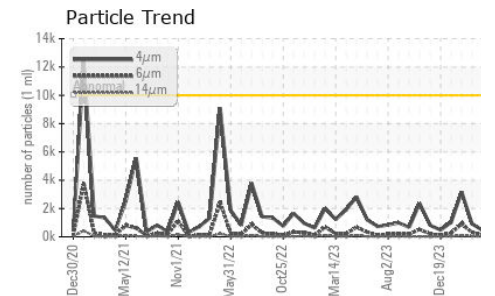
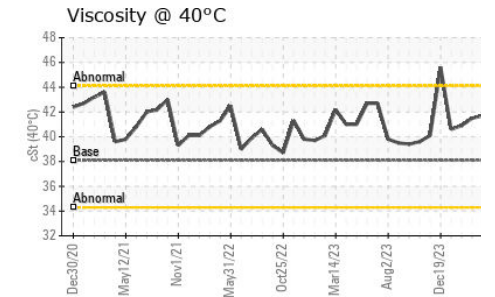
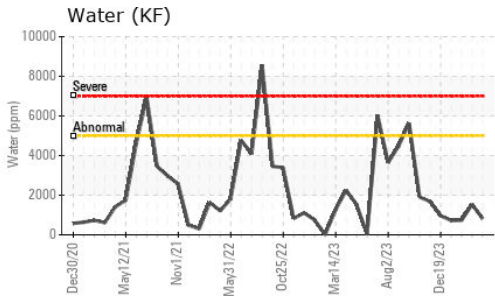
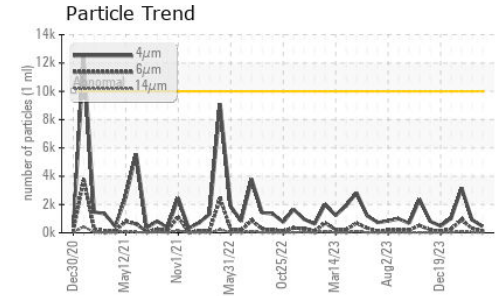
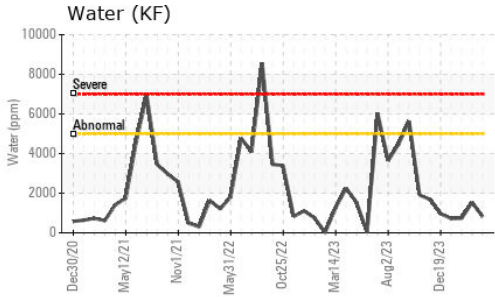
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	0	<1	1
Sodium	ppm	ASTM D5185(m)	33	37	45
Potassium	ppm	ASTM D5185(m) >20	7	7	8
Water	%	ASTM D6304* >0.5	0.081	0.153	0.073
ppm Water	ppm	ASTM D6304* >5000	818	1536	733

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	458	907	3178
Particles >6µm	ASTM D7647	>2500	127	302	922
Particles >14µm	ASTM D7647	>320	19	38	86
Particles >21µm	ASTM D7647	>80	5	12	22
Particles >38µm	ASTM D7647	>20	1	1	1
Particles >71µm	ASTM D7647	>4	1	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	16/14/11	17/15/12	19/17/14



OIL ANALYSIS REPORT

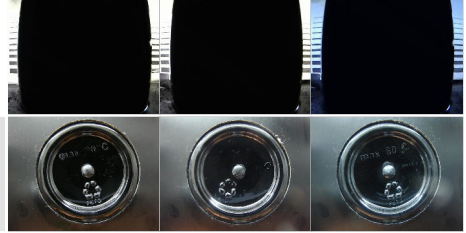


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	0.06	0.62	0.79	0.55

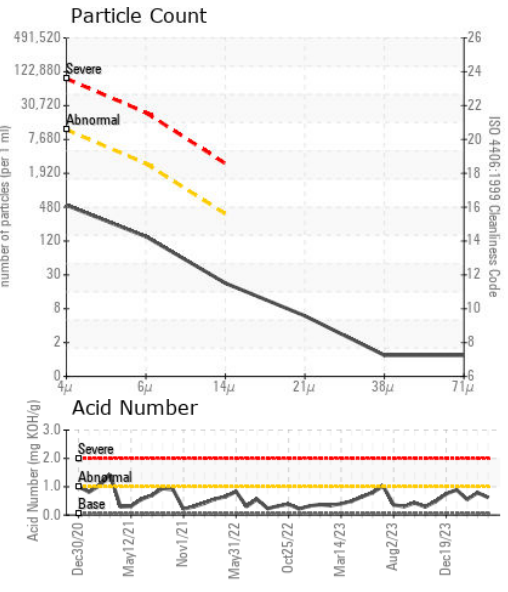
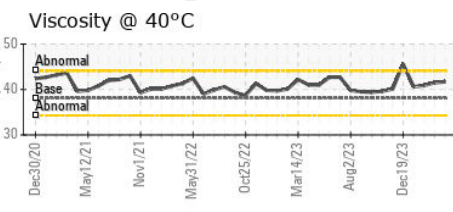
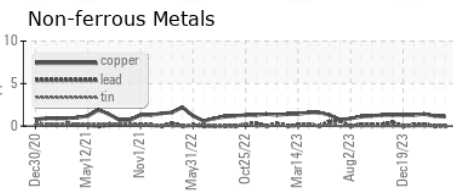
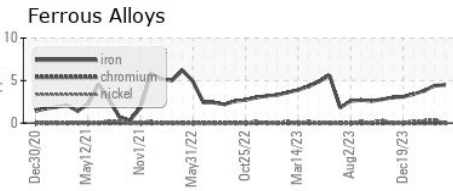
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	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*	▲ 2.34	▲ 2.81	▲ 5.56
Visc @ 40°C	cSt	ASTM D7279(m)	41.7	41.5	40.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0915602 **Received** : 12 Apr 2024
Lab Number : **02628485** **Tested** : 17 Apr 2024
Unique Number : 5761617 **Diagnosed** : 17 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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