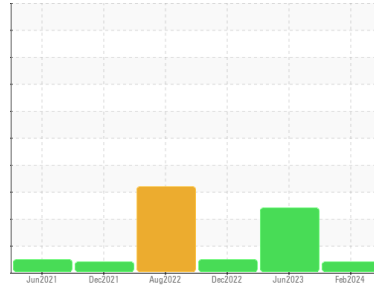




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
[5318678]
 Machine Id
SULLAIR 16BS-75H (S/N 003-69904)
 Component
Rotary Compressor
 Fluid
SULLAIR SRF 1/4000 (34 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0771799	WC0771805	WC0771795B
Sample Date	Client Info		15 Feb 2024	02 Jun 2023	20 Dec 2022
Machine Age	Client Info		56370	56370	56321
Oil Age	Client Info		0	0	0
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			ABNORMAL	SEVERE	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	0
Iron	ppm ASTM D5185(m)	>70	<1	<1	<1
Chromium	ppm ASTM D5185(m)	>10	0	0	0
Nickel	ppm ASTM D5185(m)		0	0	0
Titanium	ppm ASTM D5185(m)		0	0	0
Silver	ppm ASTM D5185(m)		0	0	0
Aluminum	ppm ASTM D5185(m)	>3	0	0	0
Lead	ppm ASTM D5185(m)	>4	0	<1	<1
Copper	ppm ASTM D5185(m)	>20	3	3	3
Tin	ppm ASTM D5185(m)	>3	0	0	0
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)	0	<1	0	0
Barium	ppm ASTM D5185(m)		<1	▲ 5	1
Molybdenum	ppm ASTM D5185(m)	0	0	0	0
Manganese	ppm ASTM D5185(m)		0	0	0
Magnesium	ppm ASTM D5185(m)	0	0	<1	0
Calcium	ppm ASTM D5185(m)		1	1	0
Phosphorus	ppm ASTM D5185(m)	328	465	● 496	526
Zinc	ppm ASTM D5185(m)	5	14	14	13
Sulfur	ppm ASTM D5185(m)	1400	54	● 61	58
Lithium	ppm ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

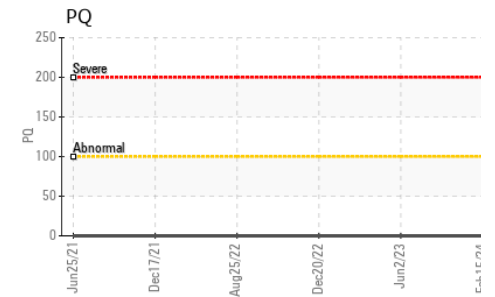
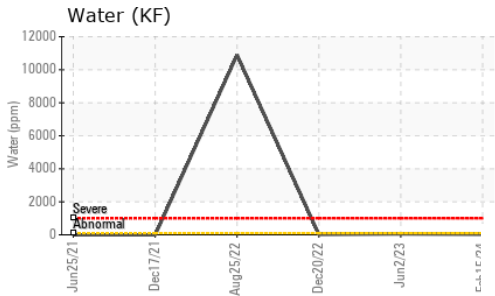
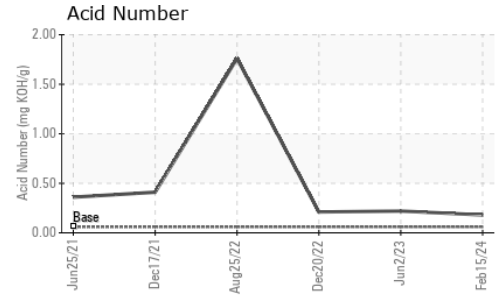
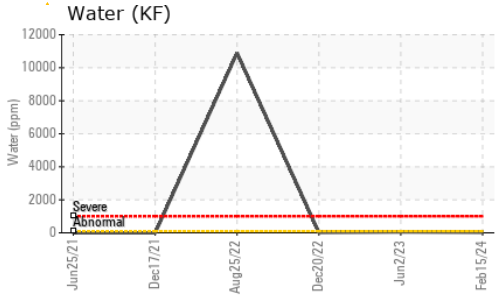
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Silicon	ppm ASTM D5185(m)	>45	2	3	4
Sodium	ppm ASTM D5185(m)		3	3	3
Potassium	ppm ASTM D5185(m)	>20	<1	0	<1
Water	% ASTM D6304*	>0.6	0.003	0.005	0.002
ppm Water	ppm ASTM D6304*		27	52.7	17.1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.06	0.18	0.22	0.21



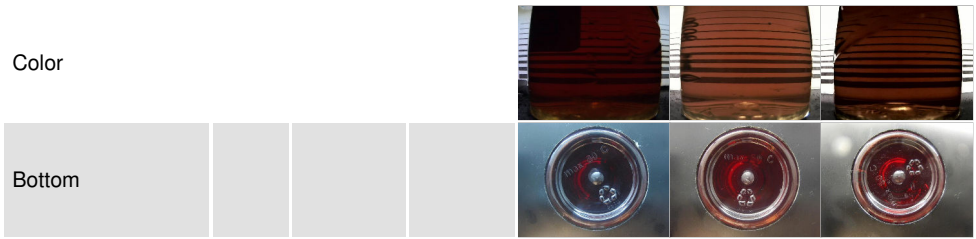
OIL ANALYSIS REPORT



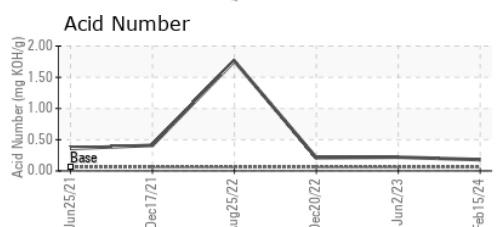
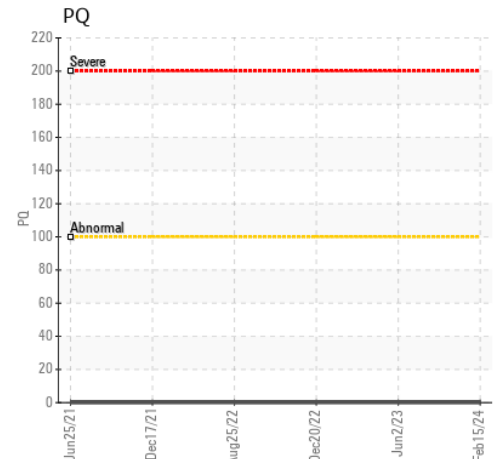
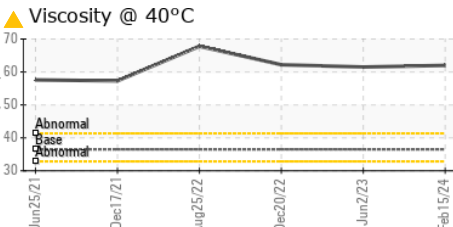
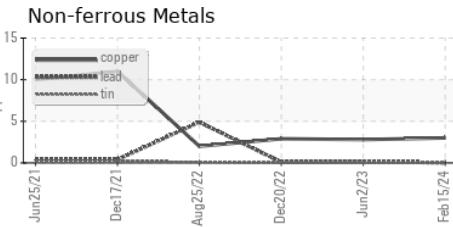
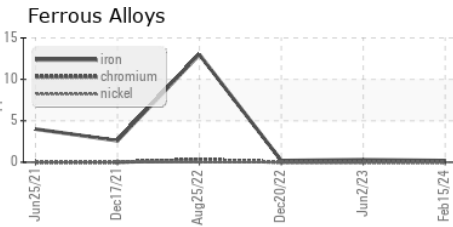
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.6	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	36.5 ▲ 62.0	▲ 61.5	62.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0771799 **Received** : 26 Mar 2024
Lab Number : 02624704 **Tested** : 27 Mar 2024
Unique Number : 5749823 **Diagnosed** : 27 Mar 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, TAN Man)

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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.