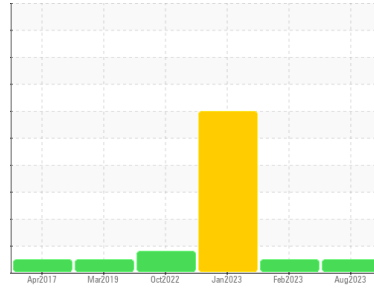




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[21056063]
 Machine Id
CMP-4009 (S/N TS7505U16315)
 Component
Rotary Compressor
 Fluid
INGERSOLL-RAND SSR ULTRA COOLANT (95 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

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		WC0718742	WC0718753	WC0458230
Sample Date	Client Info		04 Aug 2023	07 Feb 2023	10 Jan 2023
Machine Age	hrs	Client Info	53141	49940	0
Oil Age	hrs	Client Info	500	0	0
Oil Changed	Client Info		Not Changed	Changed	N/A
Sample Status			NORMAL	NORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m) >70	1	2	15
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m)	0	0	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >3	<1	<1	<1
Lead	ppm	ASTM D5185(m) >4	2	2	16
Copper	ppm	ASTM D5185(m) >20	1	2	13
Tin	ppm	ASTM D5185(m) >3	0	<1	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	3	<1	<1
Barium	ppm	ASTM D5185(m) 500	848	818	786
Molybdenum	ppm	ASTM D5185(m) 0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	<1
Magnesium	ppm	ASTM D5185(m) 0	<1	0	<1
Calcium	ppm	ASTM D5185(m) 0	2	0	<1
Phosphorus	ppm	ASTM D5185(m) 20	2	0	0
Zinc	ppm	ASTM D5185(m) 0	4	3	12
Sulfur	ppm	ASTM D5185(m) 200	573	239	228
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

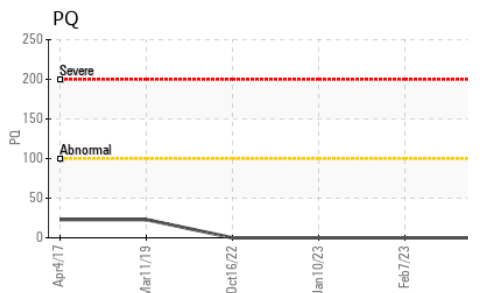
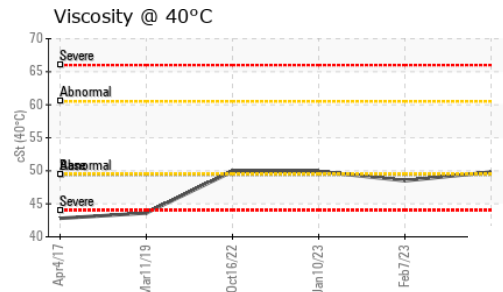
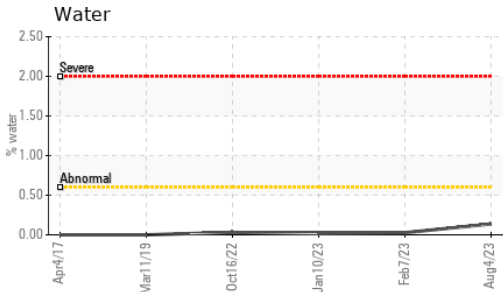
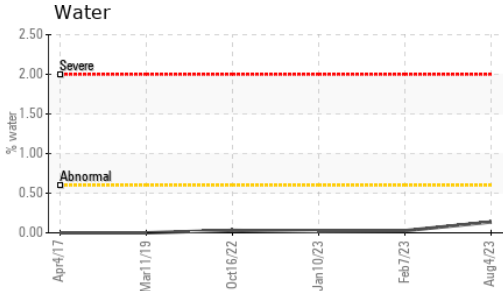
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >45	<1	1	4
Sodium	ppm	ASTM D5185(m)	3	2	3
Potassium	ppm	ASTM D5185(m) >20	2	<1	1
Water	%	ASTM D6304* >0.6	0.137	0.027	0.016
ppm Water	ppm	ASTM D6304*	1377.7	275.3	167.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.11	0.16



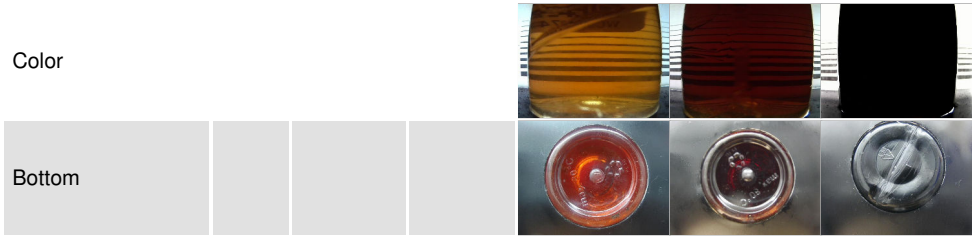
OIL ANALYSIS REPORT



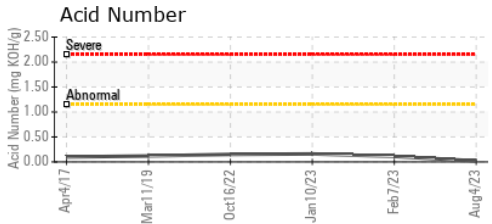
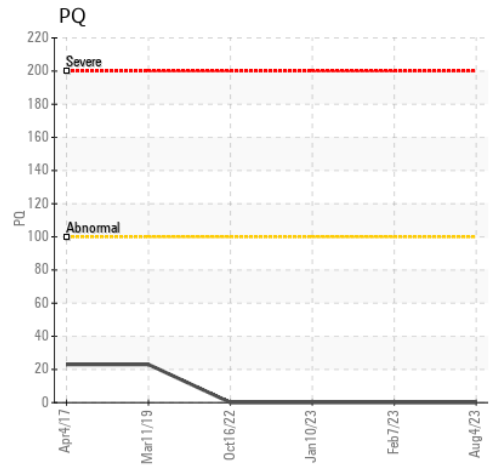
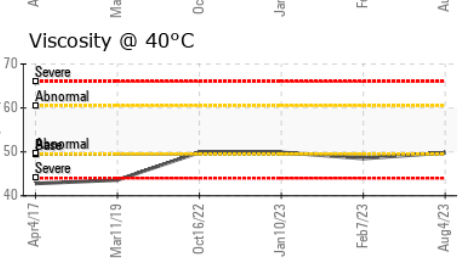
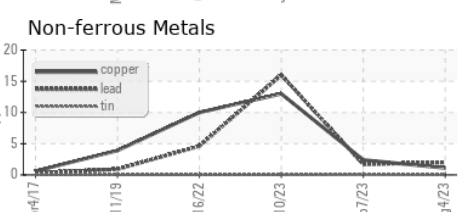
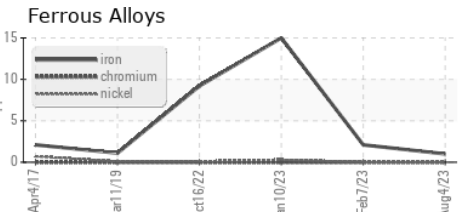
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	49.4	49.8	48.5	49.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CHEMTRADE ELECTROCHEM INC. (BRANDON PLANT)
Sample No. : WC0718742 **Received** : 10 Aug 2023 **8080 RICHMOND AVENUE EAST**
Lab Number : 02575151 **Diagnosed** : 11 Aug 2023 **BRANDON, MB**
Unique Number : 5620202 **Diagnostician** : Wes Davis **CA R7A 7R3**
Test Package : IND 2 (Additional Tests: KF) **Contact: Bob Tycholis**

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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