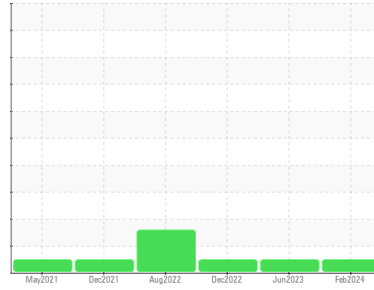




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

[5318678]

Machine Id

INGERSOLL RAND IRN100H (S/N NV5114U02087)

Component

Screw Compressor

Fluid

INGERSOLL-RAND SSR ULTRA COOLANT (30 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Customer unable to provide last maintenance interval)

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		WC0771798	WC0771806	WC0771795
Sample Date	Client Info		15 Feb 2024	02 Jun 2023	22 Dec 2022
Machine Age	hrs	Client Info	37031	35047	33906
Oil Age	hrs	Client Info	0	0	33049
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m) >60	8	11	8
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	<1	<1
Copper	ppm	ASTM D5185(m) >30	2	2	2
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) 0	<1	1	<1
Barium	ppm	ASTM D5185(m) 500	562	570	603
Molybdenum	ppm	ASTM D5185(m) 0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	<1	<1
Magnesium	ppm	ASTM D5185(m) 0	1	2	1
Calcium	ppm	ASTM D5185(m) 0	4	6	3
Phosphorus	ppm	ASTM D5185(m) 20	<1	1	0
Zinc	ppm	ASTM D5185(m) 0	10	12	11
Sulfur	ppm	ASTM D5185(m) 200	241	252	264
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

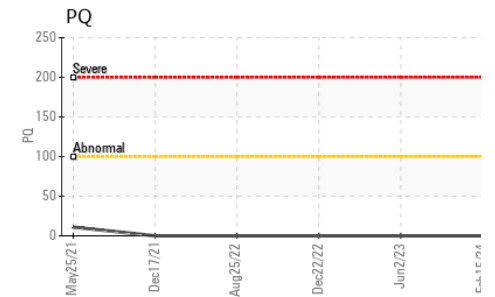
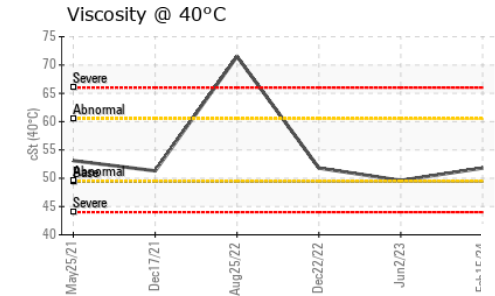
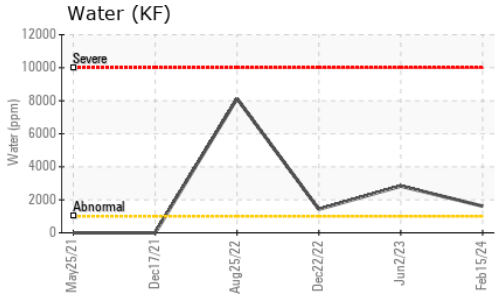
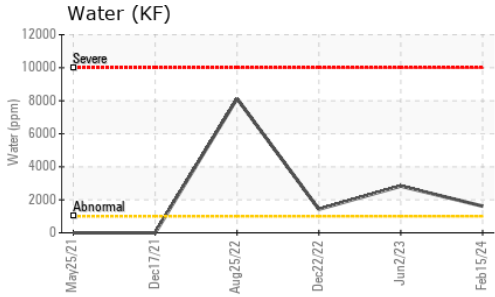
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	3	6	5
Sodium	ppm	ASTM D5185(m)	25	29	28
Potassium	ppm	ASTM D5185(m) >20	3	4	4
Water	%	ASTM D6304* >0.1	0.161	0.283	0.142
ppm Water	ppm	ASTM D6304* >1000	1616	2832.6	1427.7

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.23	0.23



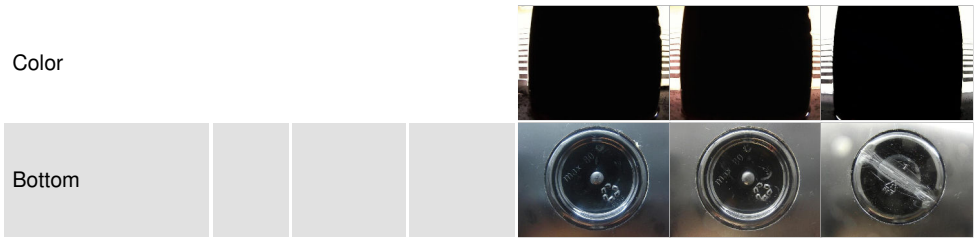
OIL ANALYSIS REPORT



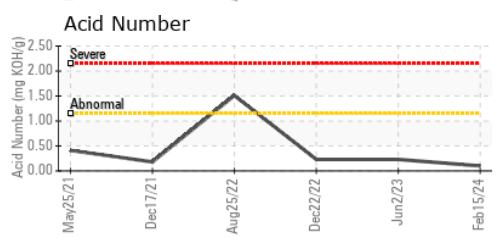
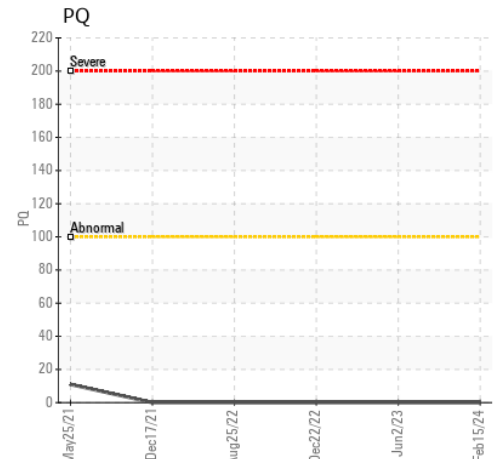
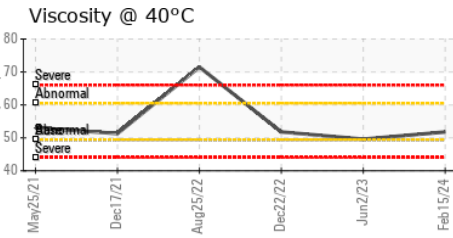
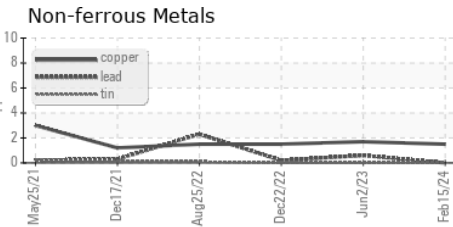
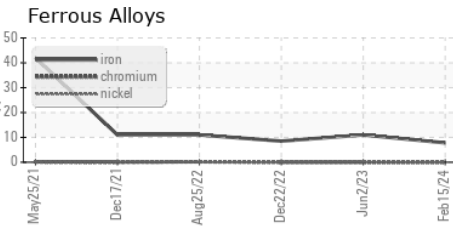
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	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	51.8	49.6

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. : WC0771798 **Received** : 26 Mar 2024
Lab Number : 02624705 **Tested** : 27 Mar 2024
Unique Number : 5749824 **Diagnosed** : 27 Mar 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF)

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 CA B2N 6X6
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 F: (902)897-9896

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.