



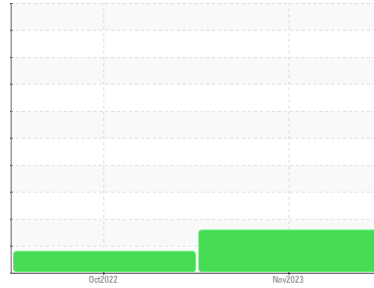
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area
METRO WEST MALL [4501224671]
 Machine Id
MYCOM C #3 (S/N 650072)
 Component
Reciprocating Compressor
 Fluid
ISEL 4415 68 (38 GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 Please note we do not have a baseline for this fluid.

Wear

All component wear rates are normal.

Contamination

The elevated moisture content is associated with PAG oils which are hygroscopic, and can absorb moisture from sampling and processing.

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		WC0871345	WC0699331	---
Sample Date	Client Info		10 Nov 2023	05 Oct 2022	---
Machine Age	hrs	Client Info	10496	2942	---
Oil Age	hrs	Client Info	10496	2000	---
Oil Changed	Client Info		Filtered	Changed	---
Sample Status			ATTENTION	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m) >50	4	6	---
Chromium	ppm	ASTM D5185(m) >10	0	0	---
Nickel	ppm	ASTM D5185(m)	0	0	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	<1	0	---
Aluminum	ppm	ASTM D5185(m) >25	<1	<1	---
Lead	ppm	ASTM D5185(m) >25	<1	0	---
Copper	ppm	ASTM D5185(m) >50	<1	0	---
Tin	ppm	ASTM D5185(m) >15	0	0	---
Antimony	ppm	ASTM D5185(m)	0	<1	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	---
Barium	ppm	ASTM D5185(m)	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	0	<1	---
Magnesium	ppm	ASTM D5185(m)	0	0	---
Calcium	ppm	ASTM D5185(m)	0	0	---
Phosphorus	ppm	ASTM D5185(m)	26	30	---
Zinc	ppm	ASTM D5185(m)	1	1	---
Sulfur	ppm	ASTM D5185(m)	63	63	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

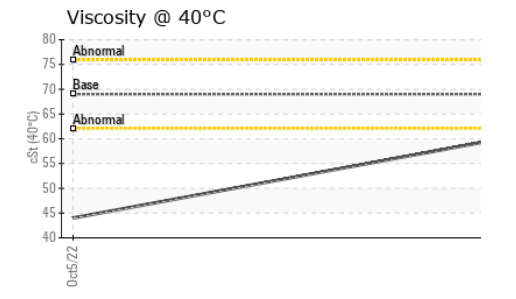
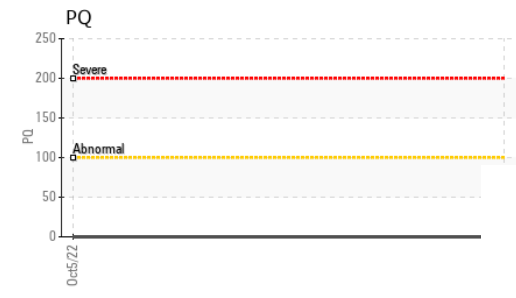
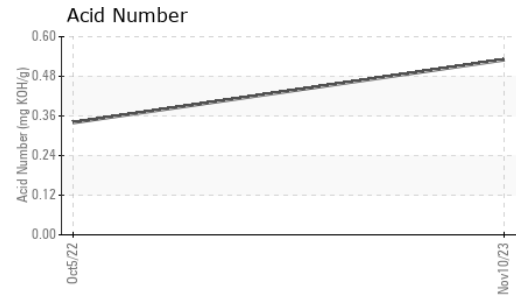
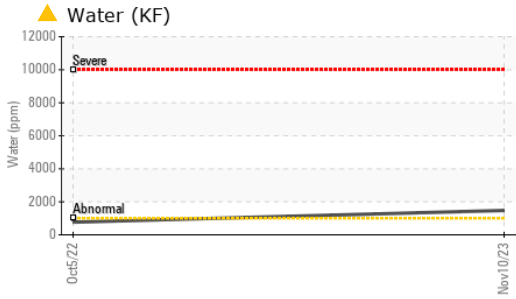
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	2	3	---
Sodium	ppm	ASTM D5185(m)	2	2	---
Potassium	ppm	ASTM D5185(m) >20	0	<1	---
Water	%	ASTM D6304* >0.1	▲ 0.147	0.076	---
ppm Water	ppm	ASTM D6304* >1000	▲ 1476	766.4	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.53	0.34	---



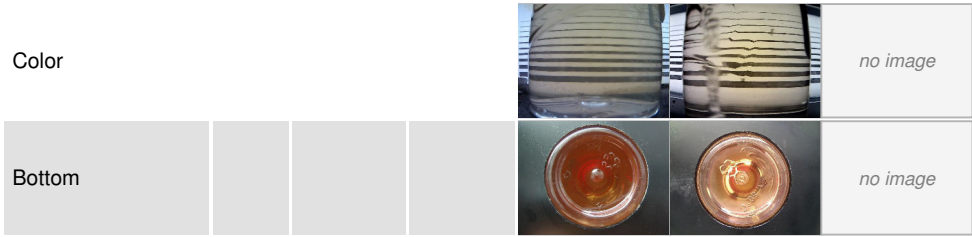
OIL ANALYSIS REPORT



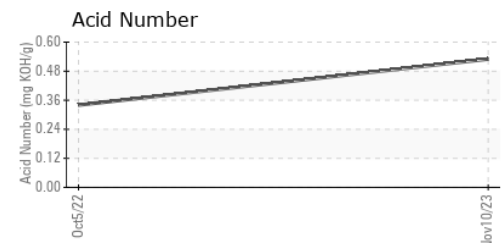
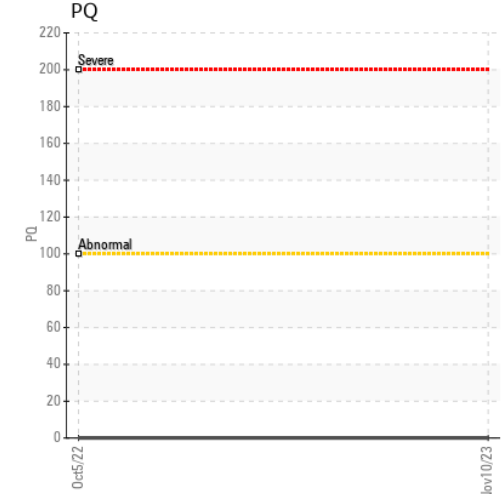
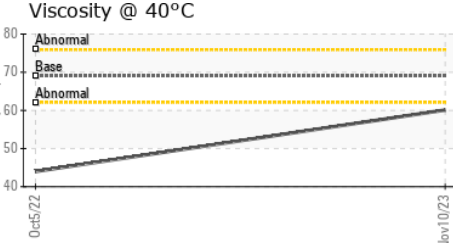
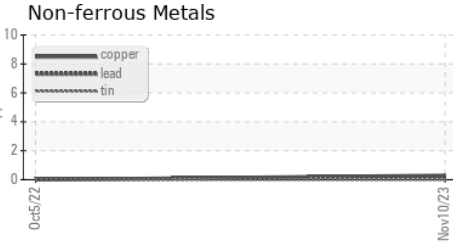
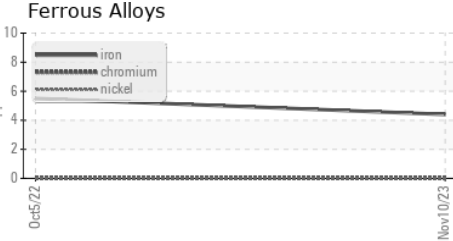
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	69	60.1	▲ 44.0

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. : WC0871345 **Received** : 18 Dec 2023
Lab Number : 02603841 **Diagnosed** : 02 Jan 2024
Unique Number : 5696926 **Diagnostician** : Bill Quesnel
Test Package : IND 2 (Additional Tests: KF, TAN Man)

CIMCO Refrigeration
 1551 Corporate Drive
 Burlington, ON
 CA L7L 6M3
 Contact: DAVID PARISE
 DPARISE@ToROMONT.COM
 T: (416)465-7581
 F: (416)465-8815

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.