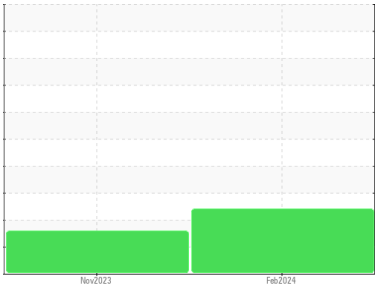
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
IR ULTRA COOLANT
Machine Id
INGERSOLL RAND NL1433 - SIMONTON WINDOW
Component
Compressor

DIAGNOSIS

▲ Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear
The tin level is abnormal. All other component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

▲ Fluid Condition
Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**UCH0000448**	UCH06007067	---
Sample Date		Client Info		**15 Feb 2024**	09 Nov 2023	---
Machine Age	hrs	Client Info		**72691**	70338	---
Oil Age	hrs	Client Info		**0**	2000	---
Oil Changed		Client Info		**N/A**	Not Changd	---
Sample Status				**ATTENTION**	ATTENTION	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**<1**	0	---
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	---
Nickel	ppm	ASTM D5185m		**<1**	0	---
Titanium	ppm	ASTM D5185m		**<1**	<1	---
Silver	ppm	ASTM D5185m		**<1**	0	---
Aluminum	ppm	ASTM D5185m	>25	**<1**	1	---
Lead	ppm	ASTM D5185m	>25	**<1**	0	---
Copper	ppm	ASTM D5185m	>50	**1**	<1	---
Tin	ppm	ASTM D5185m	>15	▲ **17**	1	---
Vanadium	ppm	ASTM D5185m		**<1**	0	---
Cadmium	ppm	ASTM D5185m		**<1**	0	---

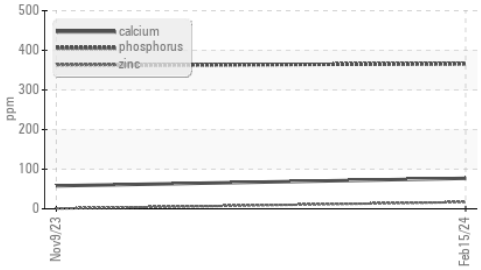
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**0**	0	---
Barium	ppm	ASTM D5185m	500	▲ **15**	▲ 4	---
Molybdenum	ppm	ASTM D5185m	0	**<1**	0	---
Manganese	ppm	ASTM D5185m		**<1**	0	---
Magnesium	ppm	ASTM D5185m	0	**1**	1	---
Calcium	ppm	ASTM D5185m	0	▲ **77**	▲ 58	---
Phosphorus	ppm	ASTM D5185m	20	▲ **366**	▲ 362	---
Zinc	ppm	ASTM D5185m	0	**17**	<1	---
Sulfur	ppm	ASTM D5185m	200	▲ **660**	▲ 523	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**<1**	0	---
Sodium	ppm	ASTM D5185m		**35**	24	---
Potassium	ppm	ASTM D5185m	>20	**6**	4	---

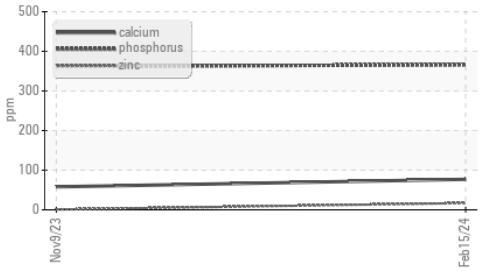
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.37**	0.25	---

OIL ANALYSIS REPORT

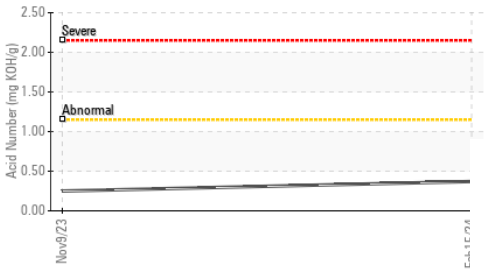
Additives



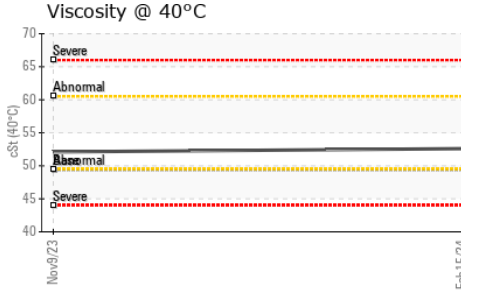
Additives



Acid Number

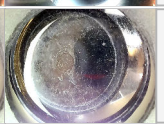


Viscosity @ 40°C



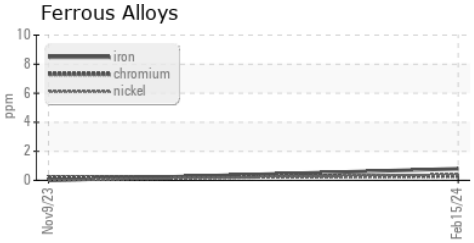
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.4	**52.6**	52.1	---

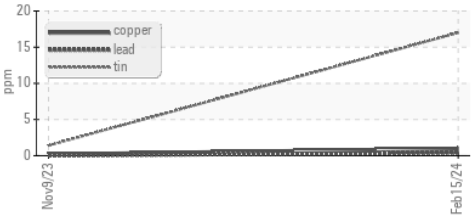
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

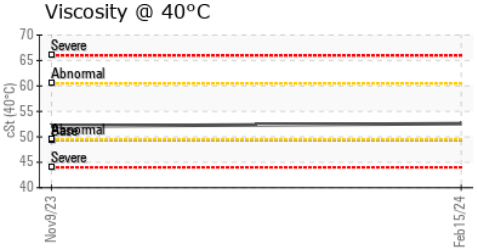
Ferrous Alloys



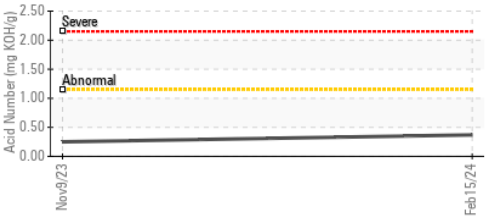
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH0000448
Lab Number : 06097875
Unique Number : 10896105
Test Package : IND 2

Received : 22 Feb 2024
Tested : 23 Feb 2024
Diagnosed : 25 Feb 2024 - Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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