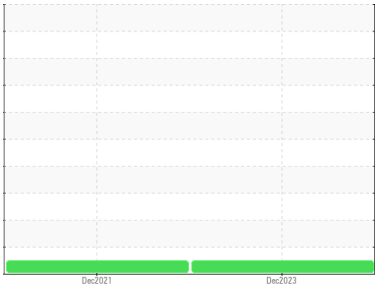
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
SYNOIL 8K
Machine Id
M95753 - GREEN BAY PACKAGING
Component
Compressor

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
Moderate concentration of visible dirt/debris present 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		**UCZ06055961**	UCZ05428790	---
Sample Date		Client Info		**19 Dec 2023**	08 Dec 2021	---
Machine Age	hrs	Client Info		**50843**	49142	---
Oil Age	hrs	Client Info		**1694**	1000	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**NORMAL**	NORMAL	---

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**	1	---
Chromium	ppm	ASTM D5185m	>5	**0**	0	---
Nickel	ppm	ASTM D5185m		**0**	<1	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>15	**0**	<1	---
Lead	ppm	ASTM D5185m	>65	**0**	<1	---
Copper	ppm	ASTM D5185m	>65	**1**	5	---
Tin	ppm	ASTM D5185m	>10	**0**	<1	---
Antimony	ppm	ASTM D5185m		**---**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.3	**0**	2	---
Barium	ppm	ASTM D5185m	0.3	**0**	0	---
Molybdenum	ppm	ASTM D5185m	0	**0**	0	---
Manganese	ppm	ASTM D5185m	0.9	**0**	<1	---
Magnesium	ppm	ASTM D5185m	0.2	**0**	0	---
Calcium	ppm	ASTM D5185m	0.1	**0**	0	---
Phosphorus	ppm	ASTM D5185m	429	**537**	607	---
Zinc	ppm	ASTM D5185m	0.3	**69**	93	---
Sulfur	ppm	ASTM D5185m	1336	**444**	243	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	**15**	21	---
Sodium	ppm	ASTM D5185m		**2**	2	---
Potassium	ppm	ASTM D5185m	>20	**0**	<1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	**0.34**	0.318	---

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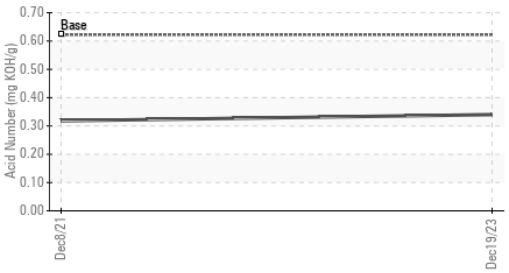
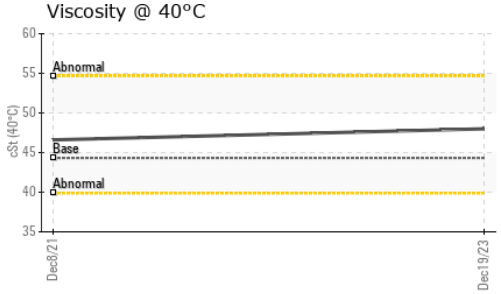
Acid Number

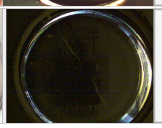


Viscosity @ 40°C



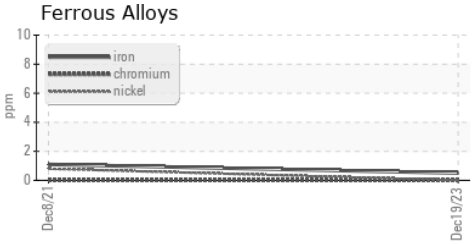
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**MODER**	MODER	---
Sand/Dirt	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	44.32	**48.0**	46.6	---

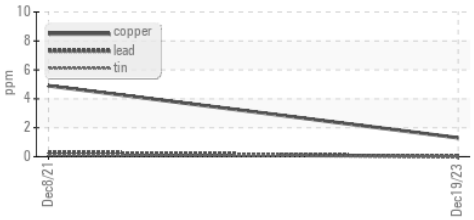
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

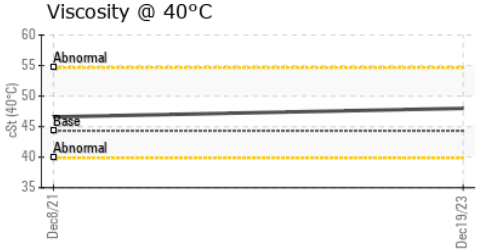
Ferrous Alloys



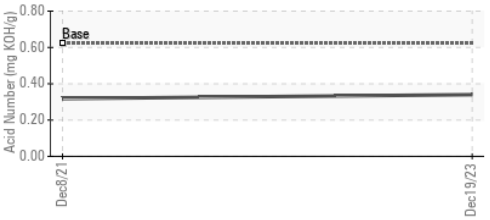
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ06055961
Lab Number : 06055961
Unique Number : 10821910
Test Package : IND 2

Recieved : 09 Jan 2024
Diagnosed : 10 Jan 2024
Diagnostician : 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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