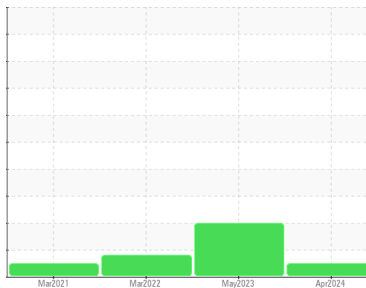




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**SYNOIL 8K**  
 Machine Id  
**COMPAIR L22 349015/5374 - VILLAGE OF ALLOVEZ**  
 Component  
**Compressor**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

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			<b>UCZ06151243</b>	UCZ05842687	UCZ05512124
Sample Date	Client Info			<b>10 Apr 2024</b>	01 May 2023	30 Mar 2022
Machine Age	hrs	Client Info		<b>5170</b>	4770	4770
Oil Age	hrs	Client Info		<b>420</b>	50	1220
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	3	3
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	1	2
Lead	ppm	ASTM D5185m	>65	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>65	<b>13</b>	▲ 77	▲ 70
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

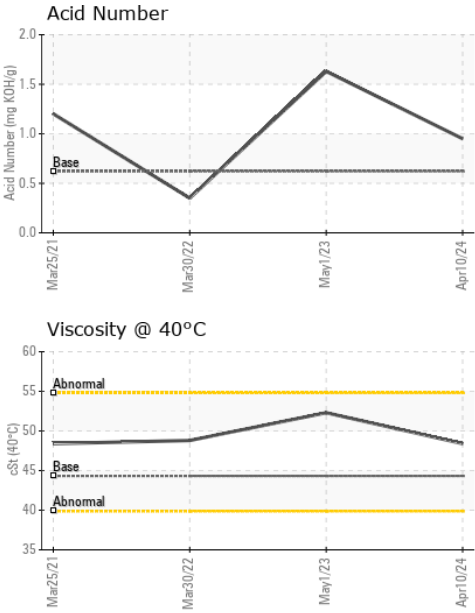
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.3	<b>0</b>	<1	<1
Barium	ppm	ASTM D5185m	0.3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.9	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0.2	<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m	0.1	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	429	<b>459</b>	410	443
Zinc	ppm	ASTM D5185m	0.3	<b>527</b>	1047	1088
Sulfur	ppm	ASTM D5185m	1336	<b>1178</b>	1051	882

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>1</b>	4	4
Sodium	ppm	ASTM D5185m		<b>2</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	<b>0.95</b>	▲ 1.63	0.35



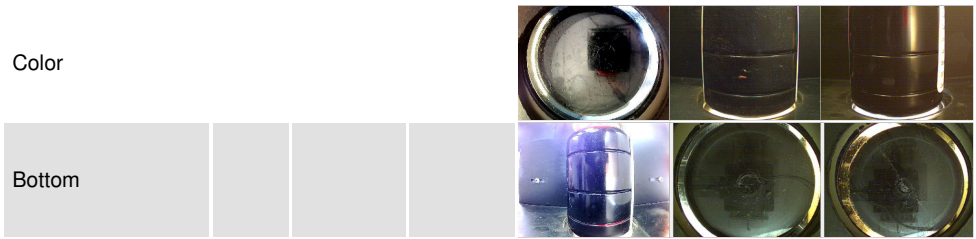
# OIL ANALYSIS REPORT



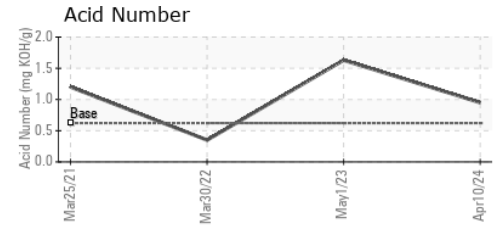
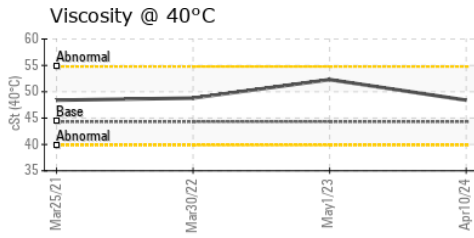
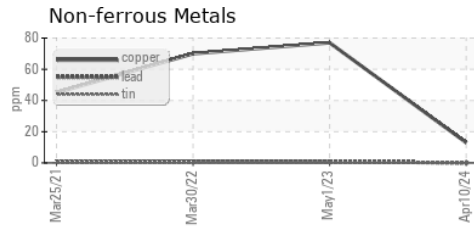
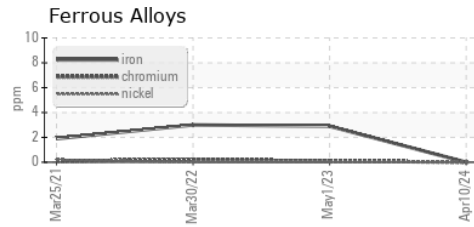
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.32	<b>48.4</b>	52.3	48.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ06151243      **Received** : 16 Apr 2024  
**Lab Number** : **06151243**      **Tested** : 18 Apr 2024  
**Unique Number** : 10981321      **Diagnosed** : 19 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

**ZORN COMP & EQUIPMENT CO (GB)**  
 733 POTTS AVE  
 GREEN BAY, WI  
 US 54304  
 Contact: DEAN SCHAD  
 dean.schad@zornair.com  
 T: (920)391-8121  
 F: (920)499-1168

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)