



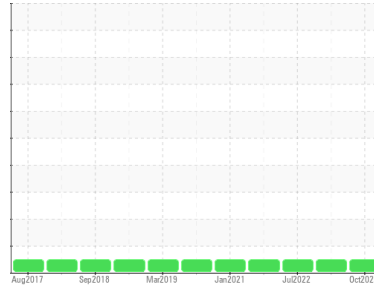
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
ZPAG 32
 Machine Id
SULLAIR 37215080369 - MULTIMETAL PRODUCTS
 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 component.

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			UCZ05995086	UCZ05772941	UCZ05598266
Sample Date	Client Info			19 Oct 2023	14 Feb 2023	06 Jul 2022
Machine Age	hrs	Client Info		26874	24585	22610
Oil Age	hrs	Client Info		4000	2000	3000
Oil Changed	Client Info			Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	1	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	0	<1
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	1	<1	6
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m		---	---	---
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2	<1	4
Barium	ppm	ASTM D5185m	525	336	491	231
Molybdenum	ppm	ASTM D5185m	10	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	5	0	2	4
Calcium	ppm	ASTM D5185m	10	8	12	19
Phosphorus	ppm	ASTM D5185m	250	3	10	5
Zinc	ppm	ASTM D5185m	100	20	13	79
Sulfur	ppm	ASTM D5185m	400	763	786	591

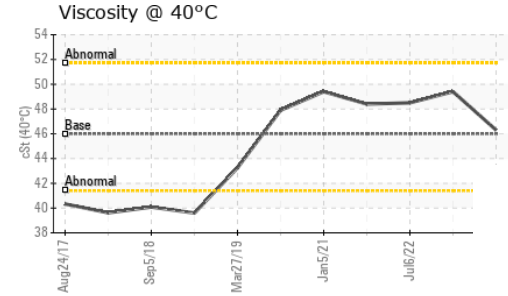
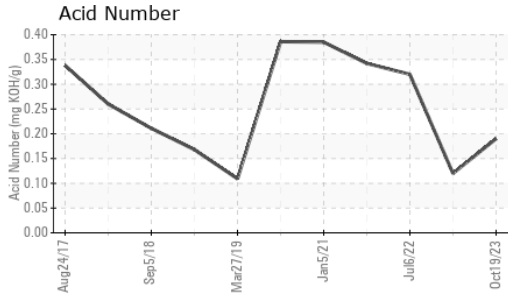
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	6	6
Sodium	ppm	ASTM D5185m		117	129	145
Potassium	ppm	ASTM D5185m	>20	3	4	6

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.19	0.12	0.32

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.8	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

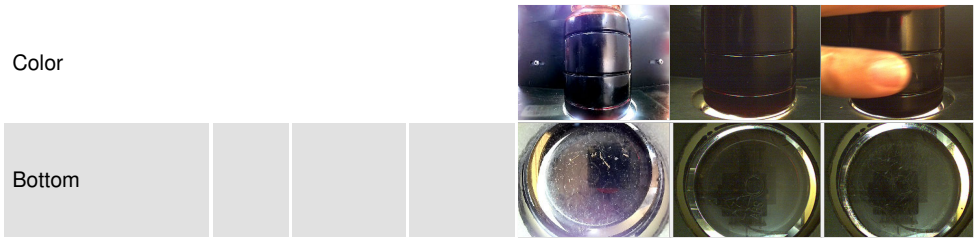


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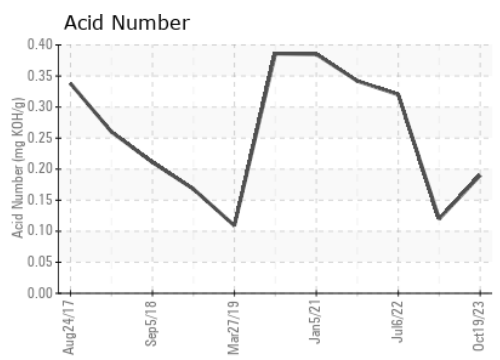
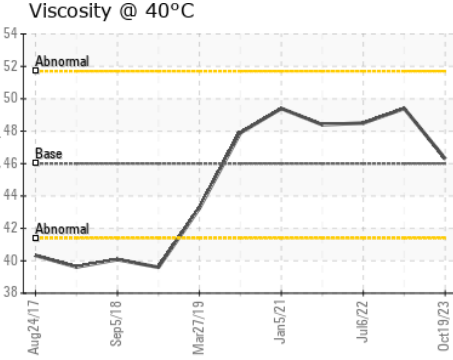
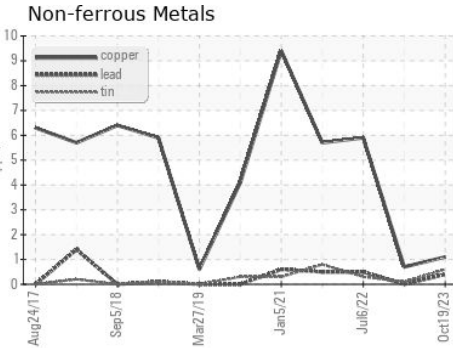
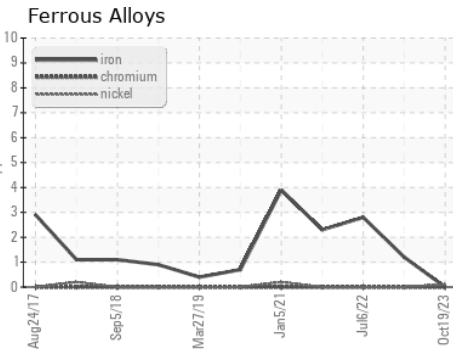


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	46.3	49.4	48.5

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ05995086 **Received** : 31 Oct 2023
Lab Number : 05995086 **Diagnosed** : 01 Nov 2023
Unique Number : 10723446 **Diagnostician** : Doug Bogart
Test Package : IND 2

ZORN COMPRESSOR EQUIPMENT
 227 AMBROSIO DR, SUITE A
 GURNEE, IL
 US 60031
 Contact: Rachel Pesnikov
 rachel.pesnikov@zornair.com
 T: (847)599-1333
 F: x:

Certificate L2367
 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)