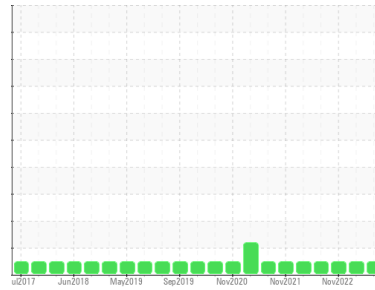




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
ZPAG-32 [153046]
 Machine Id
SULLAIR LS-20S 125H AC 003-117670 - GVS FILTRATION
 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			UCZ05937337	UCZ05810506	UCZ05707245
Sample Date	Client Info			09 Aug 2023	14 Mar 2023	17 Nov 2022
Machine Age	hrs	Client Info		45198	4500	44466
Oil Age	hrs	Client Info		3847	3049	3115
Oil Changed	Client Info			Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	0	<1	<1
Lead	ppm	ASTM D5185m	>65	0	0	<1
Copper	ppm	ASTM D5185m	>65	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	<1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	0	0
Barium	ppm	ASTM D5185m	525	559	336	208
Molybdenum	ppm	ASTM D5185m	10	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	5	<1	2	<1
Calcium	ppm	ASTM D5185m	10	2	2	0
Phosphorus	ppm	ASTM D5185m	250	6	8	29
Zinc	ppm	ASTM D5185m	100	3	0	0
Sulfur	ppm	ASTM D5185m	400	792	233	335

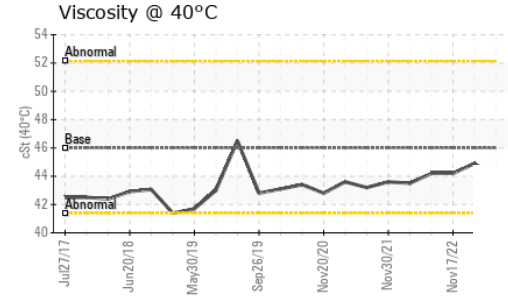
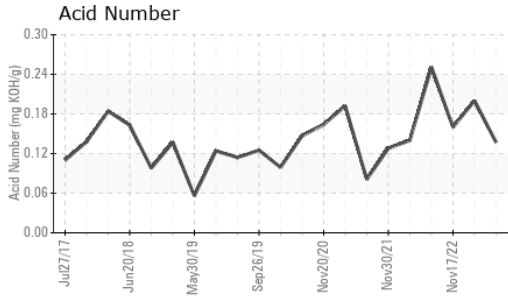
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	2	2	1
Sodium	ppm	ASTM D5185m		57	90	77
Potassium	ppm	ASTM D5185m	>20	2	4	3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.137	0.20	0.16

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	NONE	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



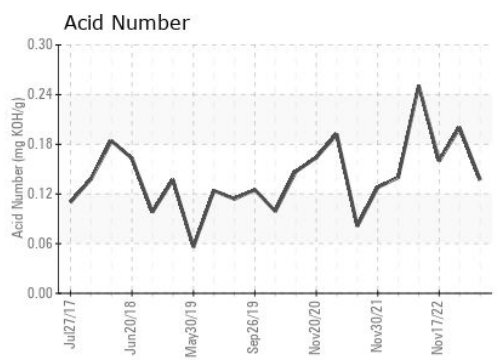
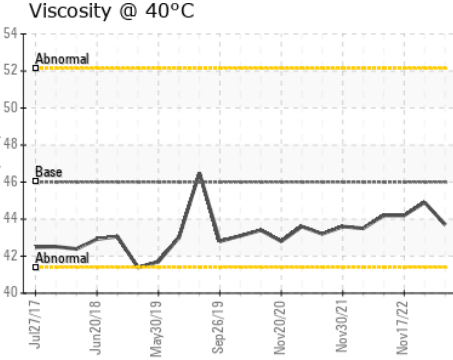
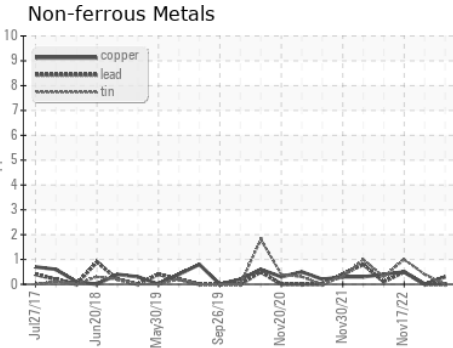
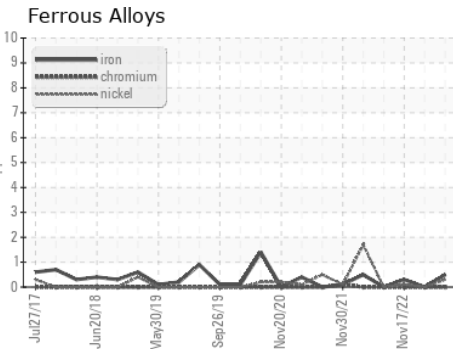
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.7	44.9	44.2

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ05937337
Lab Number : 05937337
Unique Number : 10622608
Test Package : IND 2
Received : 29 Aug 2023
Diagnosed : 30 Aug 2023
Diagnostician : Don Baldrige

ZORN COMP & EQUIPMENT INC - EAU CLAIRE
 2218-D TRUAX BLVD
 EAU CLAIRE, WI
 US 54703
 Contact: BILL MESTELLE
 bill.mestelle@zornair.com
 T: (715)830-5292
 F:

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)