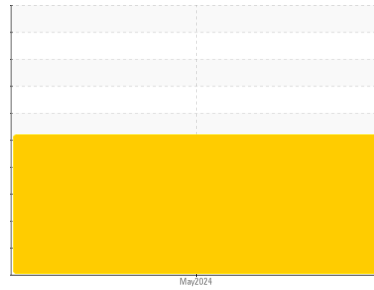




PROBLEM SUMMARY

Sample Rating Trend

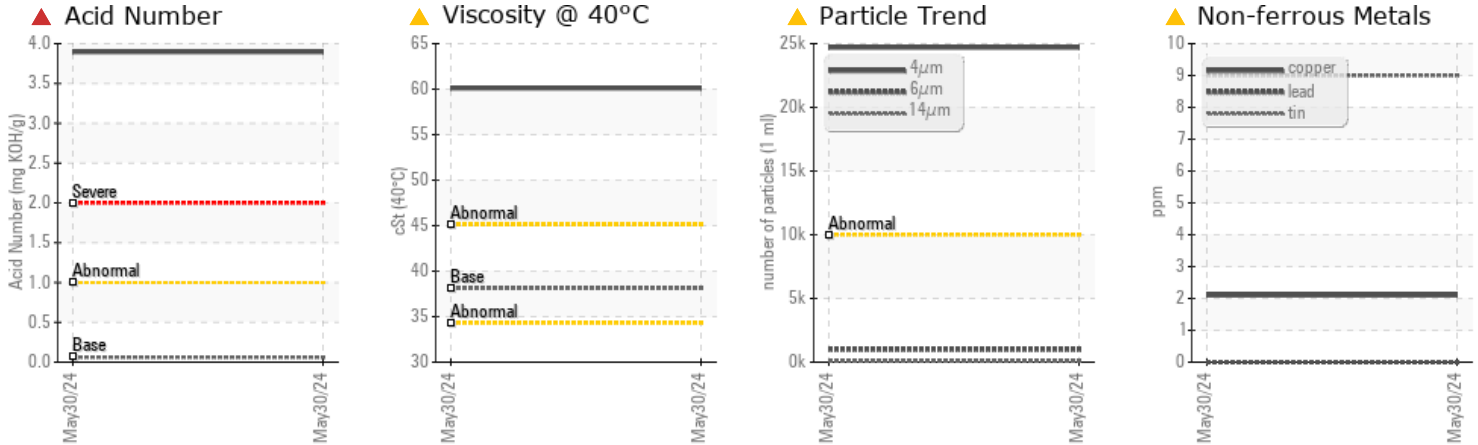


DEGRADATION



Area
COFICAB
 Machine Id
202202160051
 Component
Air Compressor
 Fluid
SULLAIR SULLUBE (15 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Tin	ppm	ASTM D5185m	>5	▲ 9	---	---
Particles >4µm		ASTM D7647	>10000	▲ 24699	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 22/17/13	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	▲ 3.896	---	---
Visc @ 40°C	cSt	ASTM D445	38.1	▲ 60.1	---	---

Customer Id: SFA604630
 Sample No.: SFA0000202
 Lab Number: 06204658
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

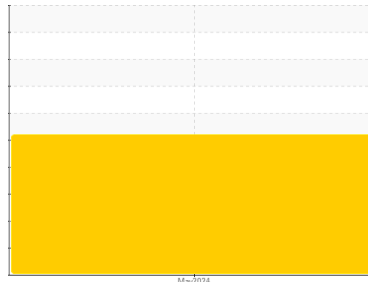
Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Flush System	---	---	?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area
COFICAB
 Machine Id
202202160051
 Component
Air Compressor
 Fluid
SULLAIR SULLUBE (15 GAL)

DIAGNOSIS

Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

Wear

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

Contamination

There is a high amount of silt (particulates < 6 microns in size) present in the oil.

Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		SFA0000202	---	---
Sample Date	Client Info		30 May 2024	---	---
Machine Age	hrs	Client Info	10205	---	---
Oil Age	hrs	Client Info	2212	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	---	---
Chromium	ppm	ASTM D5185m >4	0	---	---
Nickel	ppm	ASTM D5185m >4	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >10	1	---	---
Lead	ppm	ASTM D5185m >20	0	---	---
Copper	ppm	ASTM D5185m >40	2	---	---
Tin	ppm	ASTM D5185m >5	▲ 9	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	---	---
Barium	ppm	ASTM D5185m 745	320	---	---
Molybdenum	ppm	ASTM D5185m 0.0	0	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m 0.0	4	---	---
Calcium	ppm	ASTM D5185m 1	8	---	---
Phosphorus	ppm	ASTM D5185m 3	6	---	---
Zinc	ppm	ASTM D5185m 0.1	11	---	---
Sulfur	ppm	ASTM D5185m 240	599	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	9	---	---
Sodium	ppm	ASTM D5185m	106	---	---
Potassium	ppm	ASTM D5185m >20	28	---	---
Water	%	ASTM D6304 >0.6	0.444	---	---
ppm Water	ppm	ASTM D6304 >6000	4440	---	---

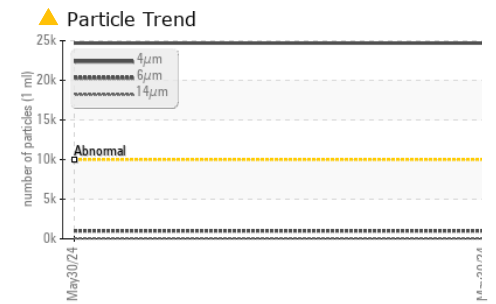
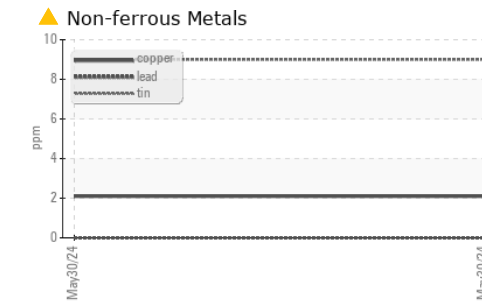
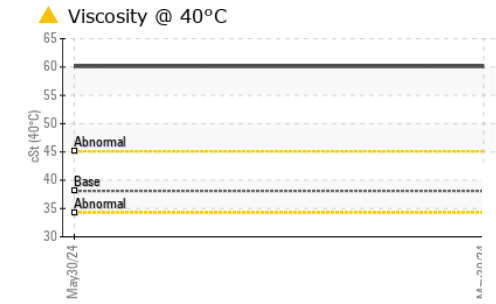
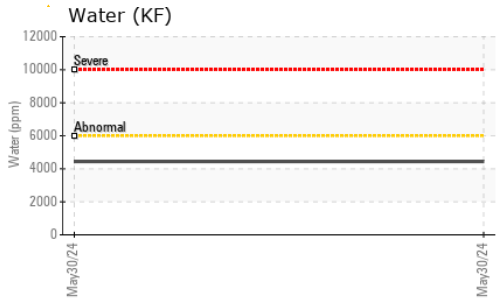
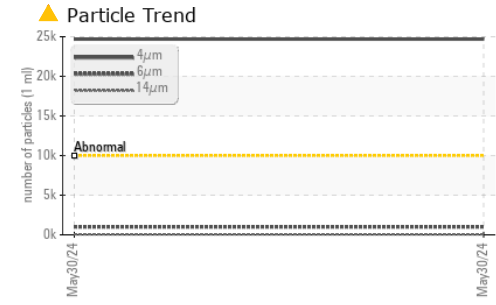
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 24699	---	---
Particles >6µm	ASTM D7647	>2500	1003	---	---
Particles >14µm	ASTM D7647	>320	61	---	---
Particles >21µm	ASTM D7647	>80	16	---	---
Particles >38µm	ASTM D7647	>20	1	---	---
Particles >71µm	ASTM D7647	>4	0	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 22/17/13	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	▲ 3.896	---	---

OIL ANALYSIS REPORT



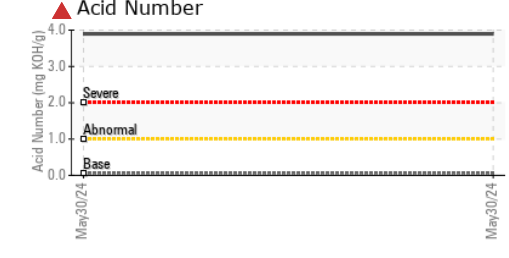
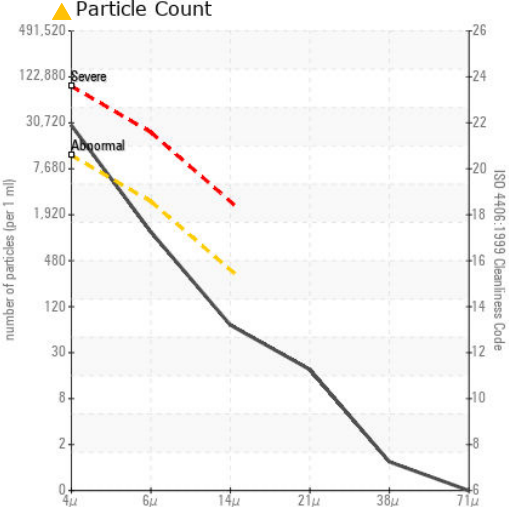
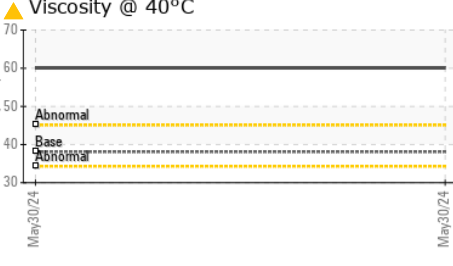
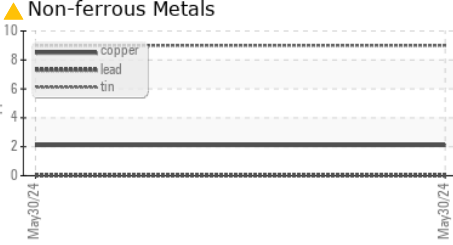
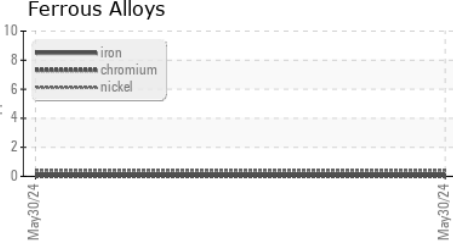
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.6	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.1 ▲ 60.1	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SFA0000202 **Received** : 10 Jun 2024
Lab Number : 06204658 **Tested** : 12 Jun 2024
Unique Number : 11072119 **Diagnosed** : 12 Jun 2024 - Doug Bogart
Test Package : PLANT (Additional Tests: FT-IR, KF, pH)

COMERCIAL KALTE
 MARTIN CARRERA 567 PTE
 MONTERREY, ZZ
 MX 64290
 Contact: Service Manager
 tampico@kalte.com.mx

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)