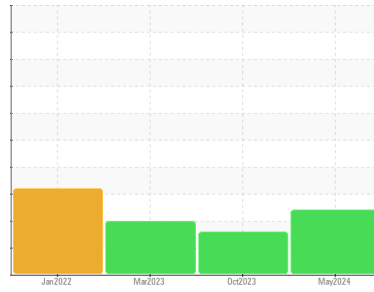




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
7873047 (S/N 1215)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. 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	KCPA018273	KCPA009499	KCPA001357	
Sample Date	Client Info	31 May 2024	26 Oct 2023	21 Mar 2023	
Machine Age	hrs	Client Info	19508	15285	10219
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info	Not Chngd	N/A	N/A	
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >50	4	0	<1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m >3	0	0	0
Titanium	ppm	ASTM D5185m >3	0	0	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >10	<1	0	0
Lead	ppm	ASTM D5185m >10	0	0	0
Copper	ppm	ASTM D5185m >50	4	5	4
Tin	ppm	ASTM D5185m >10	0	0	<1
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m 90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m 90	27	<1	<1
Calcium	ppm	ASTM D5185m 2	0	0	<1
Phosphorus	ppm	ASTM D5185m	3	0	10
Zinc	ppm	ASTM D5185m	4	<1	<1
Sulfur	ppm	ASTM D5185m	20886	13981	14844

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	<1	0	1
Sodium	ppm	ASTM D5185m	18	2	3
Potassium	ppm	ASTM D5185m >20	4	0	2
Water	%	ASTM D6304 >0.05	0.019	0.007	▲ 0.084
ppm Water	ppm	ASTM D6304 >500	190	76.5	▲ 840

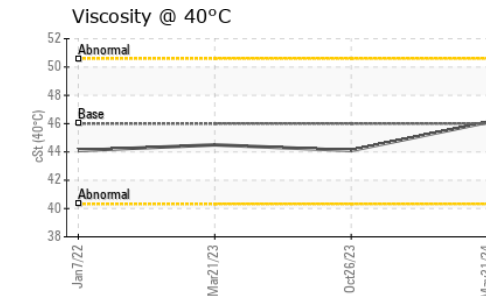
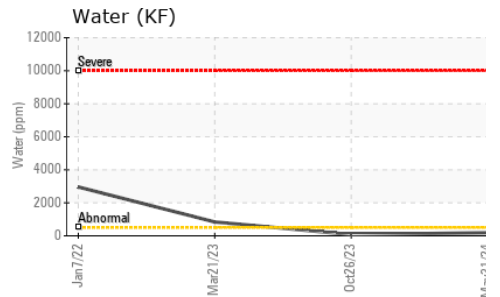
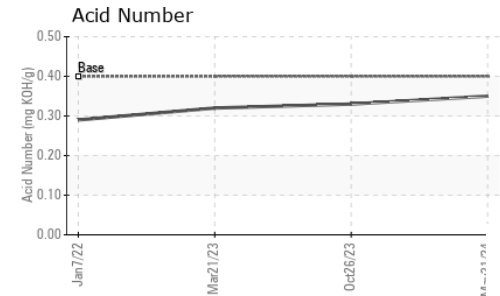
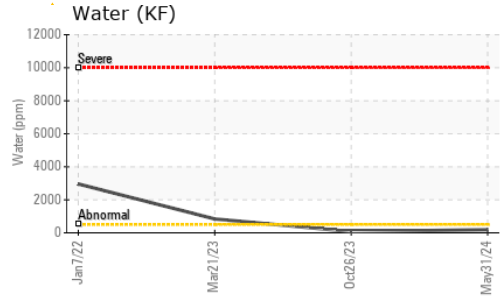
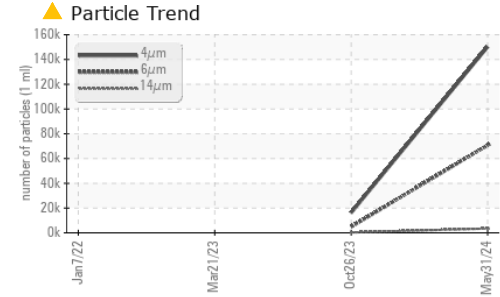
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	150188	16186	---
Particles >6µm	ASTM D7647 >1300	▲ 70806	▲ 4954	---
Particles >14µm	ASTM D7647 >80	▲ 3471	▲ 266	---
Particles >21µm	ASTM D7647 >20	▲ 564	▲ 73	---
Particles >38µm	ASTM D7647 >4	▲ 13	3	---
Particles >71µm	ASTM D7647 >3	1	0	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 24/23/19	▲ 21/19/15	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.35	0.33	0.32

OIL ANALYSIS REPORT

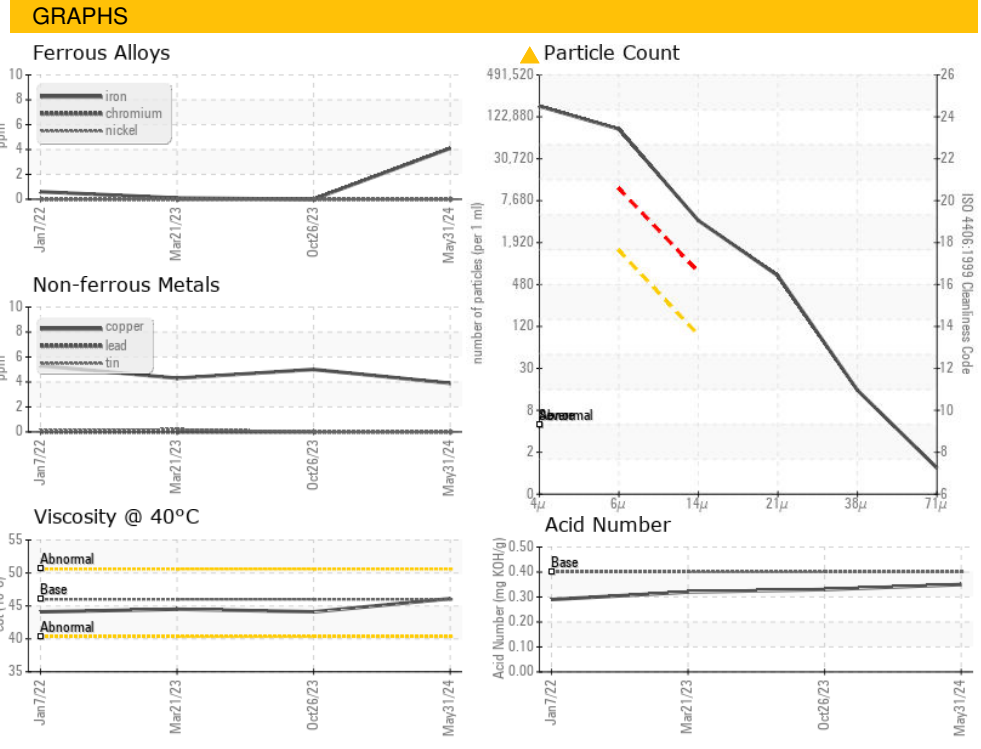


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	▲ 0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	46.1	44.1

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA018273 **Received** : 10 Jun 2024
Lab Number : 06205437 **Tested** : 13 Jun 2024
Unique Number : 11072898 **Diagnosed** : 13 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

CFL HOLDING USA LLC
 3576 HWY 41 SE
 ADAIRSVILLE, GA
 US 30103
 Contact: MARC LOPEZ
 marc.lopez@cflflooring.com

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)