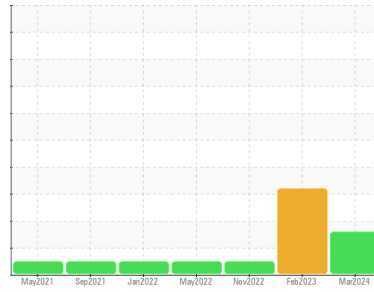




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

CS-46 [C-SP2795017]

Machine Id

KAESER 1250 - THE HULLING CO - WEST PLANT-MIDDLE

Component

Compressor

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 light concentration of water 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		UCH06143193	UCH05782533	UCH05713681
Sample Date	Client Info		04 Mar 2024	14 Feb 2023	14 Nov 2022
Machine Age	hrs	Client Info	41916	38273	36312
Oil Age	hrs	Client Info	4604	961	3634
Oil Changed		Client Info	Not Chngd	Not Chngd	Changed
Sample Status			ATTENTION	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	<1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m >3	0	0	<1
Titanium	ppm	ASTM D5185m >3	0	0	0
Silver	ppm	ASTM D5185m >2	0	0	<1
Aluminum	ppm	ASTM D5185m >10	0	0	<1
Lead	ppm	ASTM D5185m >10	0	0	<1
Copper	ppm	ASTM D5185m >50	0	<1	2
Tin	ppm	ASTM D5185m >10	0	0	<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 1.5	0	0	<1
Barium	ppm	ASTM D5185m 0	<1	0	<1
Molybdenum	ppm	ASTM D5185m 0	0	0	<1
Manganese	ppm	ASTM D5185m 0.3	<1	0	0
Magnesium	ppm	ASTM D5185m 0	0	0	3
Calcium	ppm	ASTM D5185m 0	0	0	0
Phosphorus	ppm	ASTM D5185m 406	166	195	151
Zinc	ppm	ASTM D5185m 0	0	0	0
Sulfur	ppm	ASTM D5185m 1283	1371	2120	4257

CONTAMINANTS

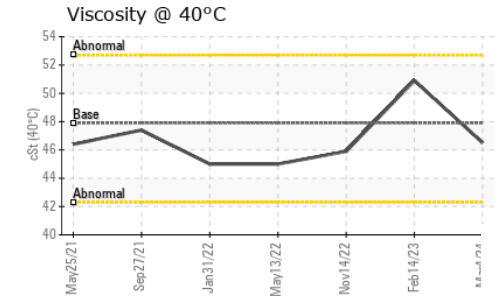
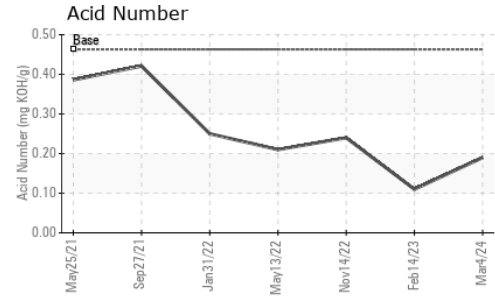
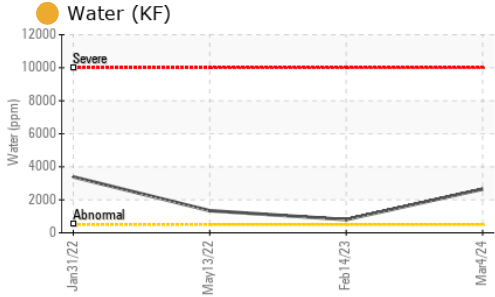
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	7	0	2
Sodium	ppm	ASTM D5185m	<1	0	3
Potassium	ppm	ASTM D5185m >20	0	0	7
Water	%	ASTM D6304 >0.05	0.265	0.080	---
ppm Water	ppm	ASTM D6304 >500	2650	800	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.463	0.19	0.11	0.24



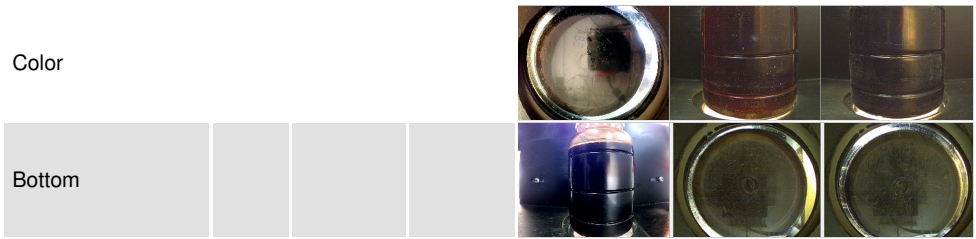
OIL ANALYSIS REPORT



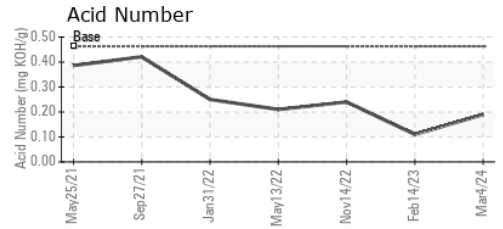
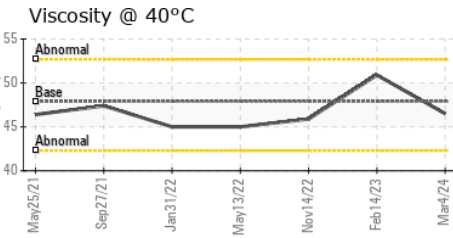
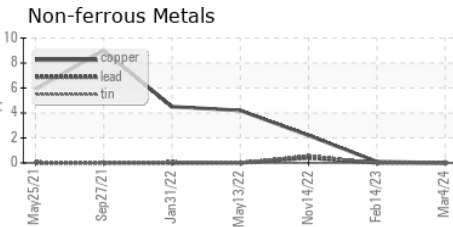
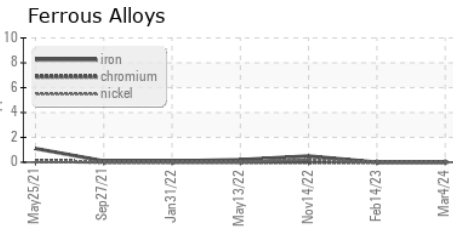
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		1.0	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	47.9	46.5	50.9	45.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06143193 **Received** : 09 Apr 2024
Lab Number : 06143193 **Tested** : 12 Apr 2024
Unique Number : 10968001 **Diagnosed** : 12 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

CISCO AIR SYSTEMS
 214 27TH ST
 SACRAMENTO, CA
 US 95816
 Contact: BARRY FRKOVICH
 barryfrkovich@ciscoair.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)

T: (916)444-2525

F: x: