

# **OIL ANALYSIS REPORT**

# KAESER AS 20 6015903 (S/N 1238)

Compressor

KAESER SIGMA (OEM) FG-460 (--- QTS)

# DIAGNOSIS

## Recommendation

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

# 🔺 Wear

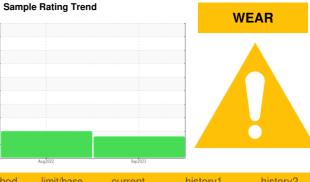
The aluminum level is abnormal. All other component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



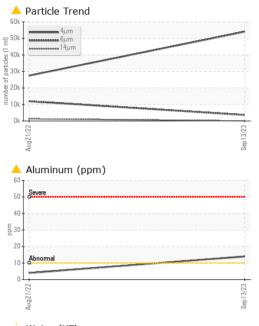
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP40070D	KCP48296	
Sample Date		Client Info		13 Sep 2023	21 Aug 2022	
Machine Age	hrs	Client Info		18563	17254	
Oil Age	hrs	Client Info		0	4000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	2	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	4	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	5	2	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m	500	165	117	
Zinc	ppm	ASTM D5185m		223	50	
Sulfur	ppm	ASTM D5185m		1388	1519	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	
Sodium	ppm	ASTM D5185m		12	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.05	0.012	0.003	
ppm Water	ppm	ASTM D6304	>500	130	38.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		54053	27508	
Particles >6µm		ASTM D7647	>1300	<u> </u>	<b>1</b> 1949	
Particles >14µm		ASTM D7647	>80	36	<b>1</b> 300	
Particles >21µm		ASTM D7647	>20	9	<u> </u>	
Particles >38µm		ASTM D7647	>4	0	<b>1</b> 0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 23/19/12	▲ 22/21/17	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.48	0.40	

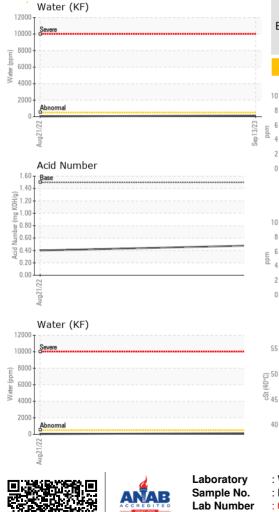
Contact/Location: BRAD ? - RIVMAN

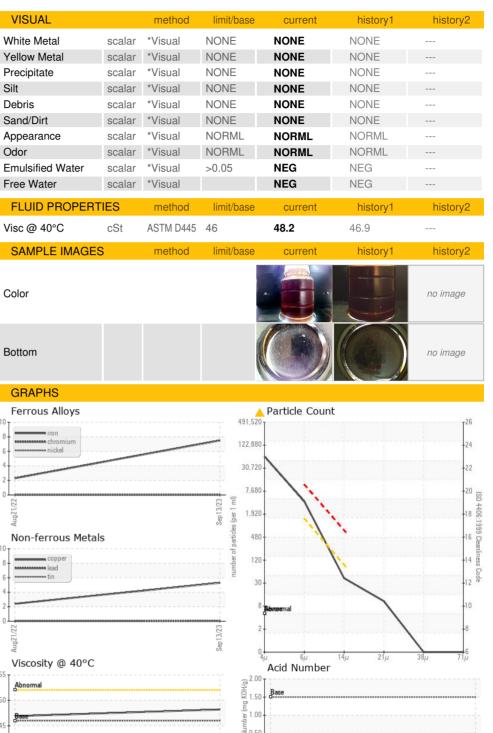


#### Built for a lifetime









0.00 Aug21/22 -Sep13/23 -Aug27 Ben **RIVER OAKS ORCHARDS** : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 30 Jan 2024 9839 HUTCHINSON RD : KCP40070D Recieved : 06073884 Diagnosed : 31 Jan 2024 MANTECA, CA US 95337 Unique Number : 10855975 Diagnostician : Don Baldridge Test Package : IND 2 (Additional Tests: KF, PrtCount) Contact: BRAD Certificate L2367 BRAD@RIVEROAKORCHARDS.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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)