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# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**KAESER SFC 18 4849000 (S/N 1022)**  
 Component  
**Compressor**  
 Fluid  
**KAESER SIGMA (OEM) FG-460 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KCPA007569</b>	KCPA004815	KCP55398
Sample Date		Client Info		<b>30 Jan 2024</b>	04 Aug 2023	17 Feb 2023
Machine Age	hrs	Client Info		<b>63661</b>	61549	59791
Oil Age	hrs	Client Info		<b>0</b>	0	1800
Filter Age	hrs	Client Info		<b>0</b>	0	1800
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>7</b>	8	▲ 22
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>1</b>	12	5
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

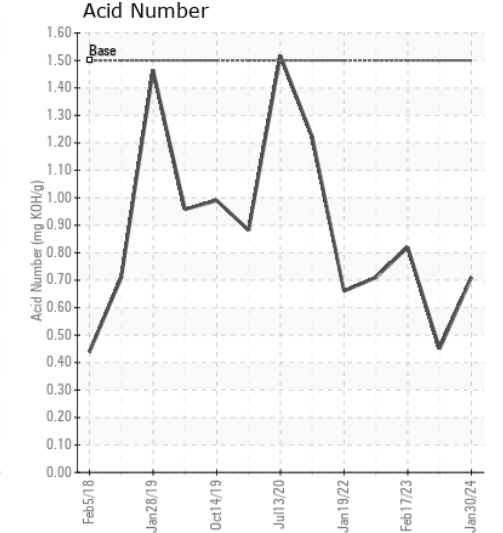
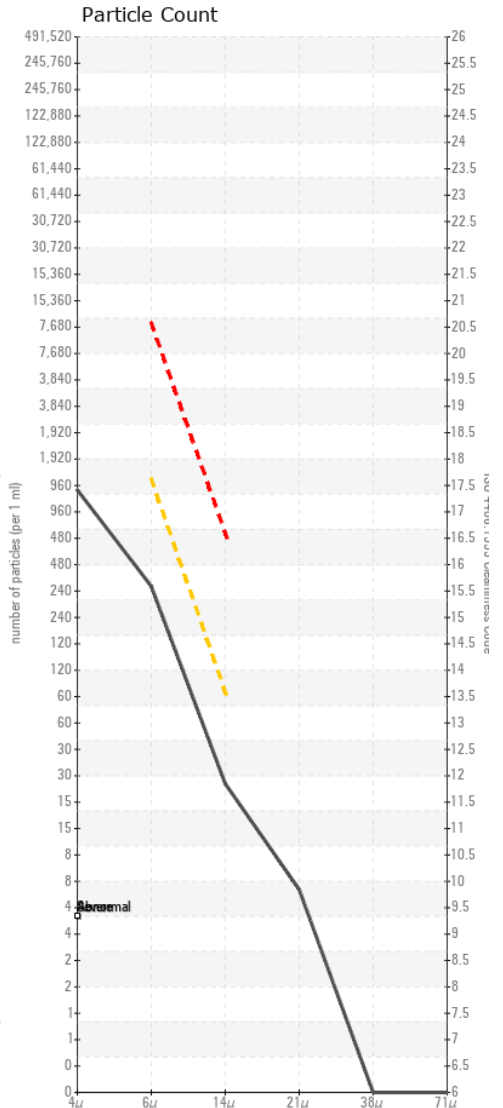
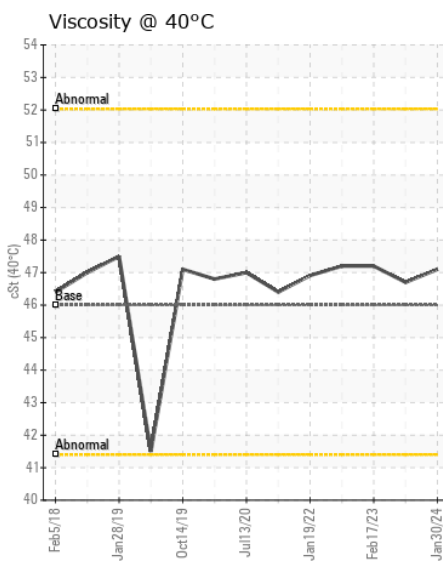
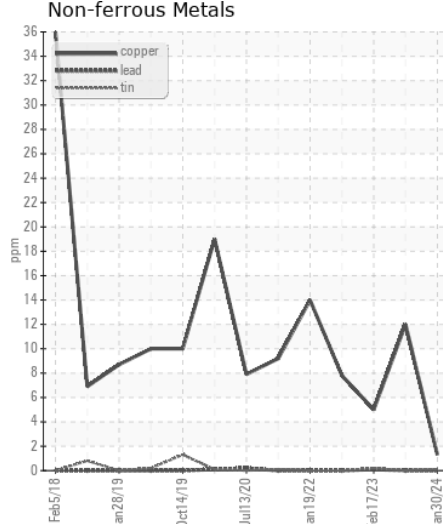
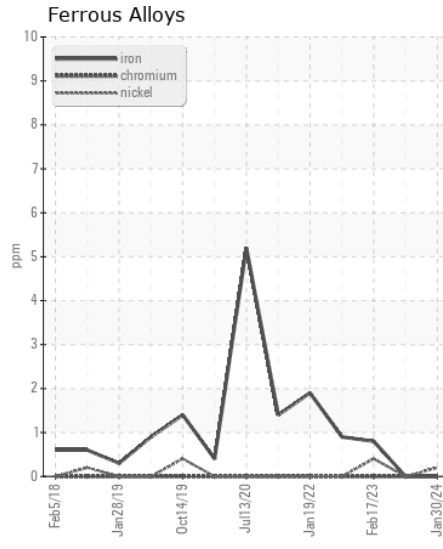
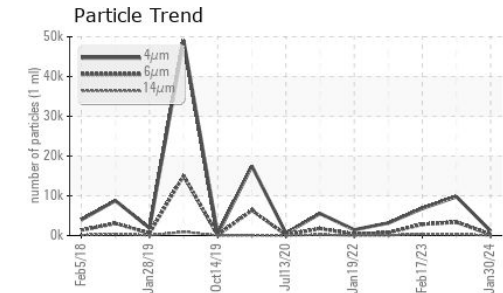
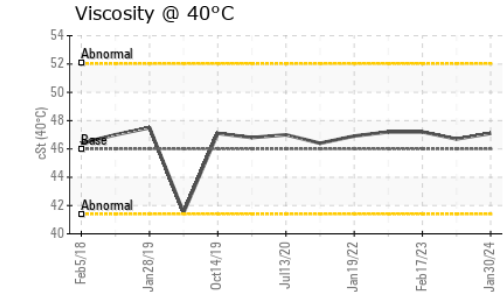
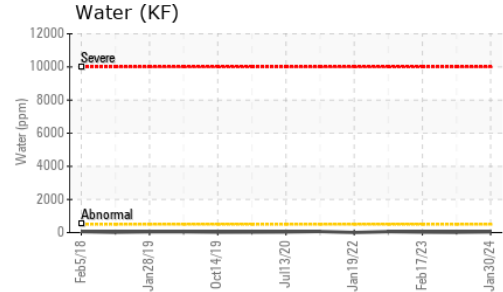
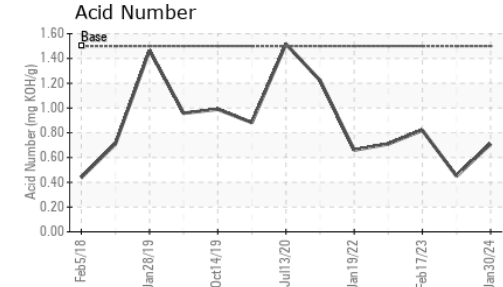
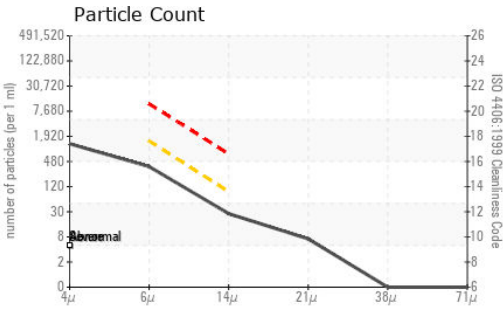
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	4
Water	%	ASTM D6304	>0.05	<b>0.004</b>	0.002	0.003
ppm Water	ppm	ASTM D6304	>500	<b>44</b>	16.7	30.7
Particles >4µm		ASTM D7647		<b>1120</b>	9769	6824
Particles >6µm		ASTM D7647	>1300	<b>318</b>	▲ 3375	▲ 2853
Particles >14µm		ASTM D7647	>80	<b>24</b>	▲ 322	▲ 346
Particles >21µm		ASTM D7647	>20	<b>6</b>	▲ 89	▲ 82
Particles >38µm		ASTM D7647	>4	<b>0</b>	▲ 6	▲ 5
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	:-/17/13	<b>17/15/12</b>	▲ 20/19/16	▲ 20/19/16
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	2	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	3
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	4	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	500	<b>298</b>	130	311
Zinc	ppm	ASTM D5185m		<b>198</b>	62	148
Sulfur	ppm	ASTM D5185m		<b>1686</b>	1833	1497
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	<b>0.71</b>	0.45	0.82
Visc @ 40°C	cSt	ASTM D445	46	<b>47.1</b>	46.7	47.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCPA007569 **Received** : 14 Feb 2024  
**Lab Number** : 06088773 **Tested** : 15 Feb 2024  
**Unique Number** : 10876218 **Diagnosed** : 15 Feb 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**LEPRINO FOODS**  
 1830 W 38TH AVE  
 DENVER, CO  
 US 80211  
 Contact: Service Manager

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:  
F: