

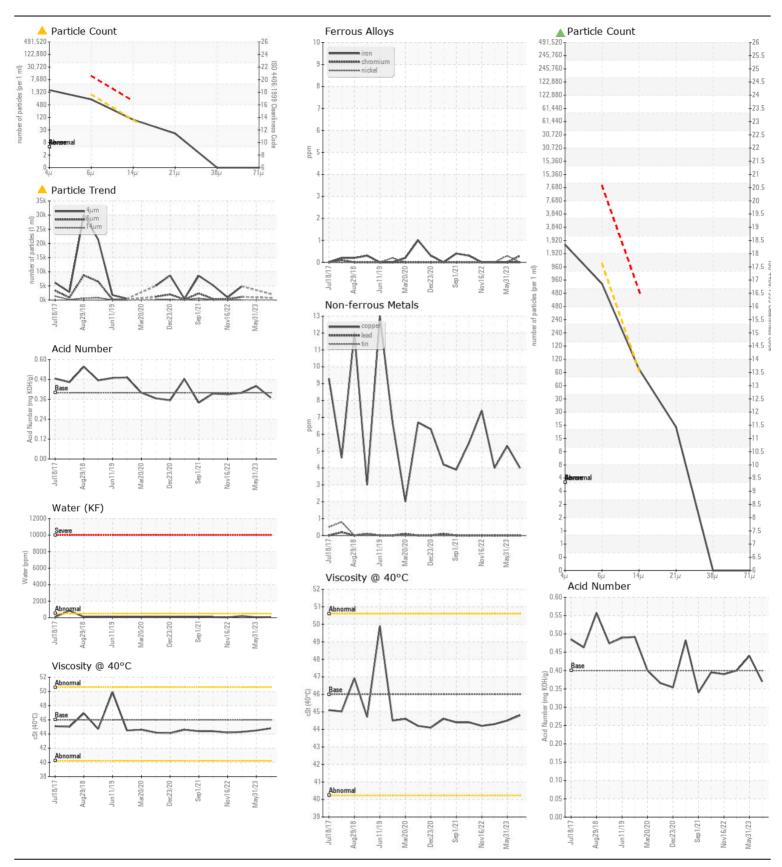
**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL ATTENTION NORMAL** 

## SAP-10217708-TATE& LYLE [2010154666] Machine Id KAESER 1129 - TATE & LYLE

Component

Compressor Fluid KAESER SIGMA (OEM) S-460 (30 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		APC06063565	APC05887500	APC0577351
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		07 Aug 2023	31 May 2023	09 Feb 202
	Machine Age	hrs	Client Info		43469	45697	38215
	Oil Age	hrs	Client Info		2177	8932	6145
	Filter Age	hrs	Client Info		2176	2188	2145
	Oil Changed		Client Info		Changed	N/A	N/A
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	ABNORMAL	
WEAR	Iron	ppm	ASTM D5185m	>50	0	0	0
	Chromium	ppm	ASTM D5185m		<1	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	<1	<1
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		4	5	4
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	7.0	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	0	0	0
CONTAMINATION	Potassium	ppm	ASTM D5185m		2	<1	0
There is a moderate amount of particulates present in the oil.	Water	%	ASTM D6304		0.007	0.005	0.020
	ppm Water	ppm	ASTM D6304		73	51.7	205.6
	Particles >4µm	ppiii	ASTM D7647	2000	2129		4862
	Particles >6µm		ASTM D7647	>1300	763		1101
	Particles >14µm		ASTM D7647	>80	▲ 82		60
	Particles >21µm		ASTM D7647		18		19
	Particles >38µm		ASTM D7647		0		1
	Particles >71µm		ASTM D7647		0		0
	Oil Cleanliness		ISO 4406 (c)		<b>18/17/14</b>		19/17/1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	▲ MODER	LIGHT
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor		*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.05	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	<1	<1
TOIS TONDITION	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	90	3	0	48
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		0	<1	0
	Magnesium	ppm	ASTM D5185m	90	3	0	43
	Calcium	ppm	ASTM D5185m		<1	<1	0
	Phosphorus	ppm	ASTM D5185m		46	<1	0
	Zinc	ppm	ASTM D5185m		0	0	0
	Sulfur	ppm	ASTM D5185m		20014	19532	18774
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.37	0.44	0.40
	Visc @ 40°C	cSt	ASTM D445		44.8	44.5	44.3





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 06063565

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : APC06063565 : 17 Jan 2024 Recieved : 19 Jan 2024 Diagnosed : 10834947 Diagnostician : Don Baldridge

Test Package : IND 2 ( Additional Tests: KF, PrtCount ) 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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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