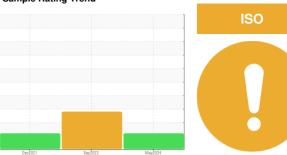


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

6675792 (S/N 1263)

Component Compressor

KAESER SIGMA (OEM) M-460 (--- GAL)

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

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

Fluid Condition

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

		Dec2021 Sep2023			May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013337	KCPA000798	KCP35275
Sample Date		Client Info		01 May 2024	22 Sep 2023	29 Dec 2021
Machine Age	hrs	Client Info		28282	24421	14944
Oil Age	hrs	Client Info		0	0	6843
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
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	<1
Aluminum	ppm	ASTM D5185m	>10	0	4	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	4	6	7
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	23
Barium	ppm	ASTM D5185m	90	0	0	30
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	0	4	33
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	0	0	<1
Zinc	ppm	ASTM D5185m	0	0	0	3
Sulfur	ppm	ASTM D5185m	23500	20989	16366	18567
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Sodium	ppm	ASTM D5185m		<1	0	1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.007	0.004	0.012
ppm Water	ppm	ASTM D6304	>500	74	46.6	124.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		2660	8453	14102
Particles >6µm		ASTM D7647	>1300	867	△ 3199	<u>▲</u> 3371
Particles >14μm		ASTM D7647	>80	94	<u>419</u>	<u> </u>
Particles >21μm		ASTM D7647	>20	<u> </u>	<u>126</u>	<u></u> 65
Particles >38μm		ASTM D7647	>4	1	9	2
Particles >71μm		ASTM D7647	>3	0	<u>^</u> 2	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/14	<u>^</u> 20/19/16	<u> </u>
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2

0.42



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA013337 : 06174655

Unique Number : 11020708

Received **Tested** Diagnosed

: 09 May 2024 : 13 May 2024

: 13 May 2024 - Don Baldridge

Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

MONOGRAM BIOSCIENCES INC

345 OYSTER POINT BLVD SOUTH SAN FRANCISCO, CA US 94080

Contact: JESS R.

jessr@mjmechanicalservices.com T:

F: Contact/Location: JESS R. - MONSOU