

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

1213552 (S/N 1069) Component Compressor

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

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

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

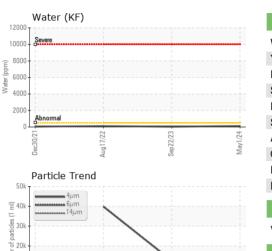
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		KCPA013363	KCPA000808	KCP50518		
Sample Date		Client Info		01 May 2024	22 Sep 2023	17 Aug 2022		
Machine Age	hrs	Client Info		49649	45817	40373		
Oil Age	hrs	Client Info		0	0	3000		
Oil Changed		Client Info		Changed	N/A	Changed		
Sample Status				NORMAL	ABNORMAL	ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	0	0	2		
Chromium	ppm	ASTM D5185m	>10	0	0	0		
Nickel	ppm	ASTM D5185m	>3	0	0	0		
Titanium	ppm	ASTM D5185m		0	0	0		
Silver	ppm	ASTM D5185m	>2	0	0	<1		
Aluminum	ppm	ASTM D5185m		0	0	<1		
Lead	ppm	ASTM D5185m	>10	0	0	<1		
Copper	ppm	ASTM D5185m		2	8	6		
Tin		ASTM D5185m	>10	2 <1	0	<1		
	ppm	ASTM D5185m	>10	<1 		<1		
Antimony	ppm							
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	0		
Barium	ppm	ASTM D5185m	90	0	0	<1		
Molybdenum	ppm	ASTM D5185m	0	0	0	0		
Manganese	ppm	ASTM D5185m		<1	<1	<1		
Magnesium	ppm	ASTM D5185m	100	22	0	16		
Calcium	ppm	ASTM D5185m	0	0	0	<1		
Phosphorus	ppm	ASTM D5185m	0	2	<1	10		
Zinc	ppm	ASTM D5185m	0	18	0	24		
Sulfur	ppm	ASTM D5185m	23500	22307	18614	19155		
CONTAMINANTS	\$	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	3	<1	2		
Sodium	ppm	ASTM D5185m		6	<1	4		
Potassium	ppm	ASTM D5185m	>20	1	<1	<1		
Water	%	ASTM D6304	>0.05	0.012	0.003	0.011		
ppm Water	ppm	ASTM D6304	>500	124	36.7	110.3		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647		9164	12514	39791		
Particles >6µm		ASTM D7647	>1300	1109	<u> </u>	A 7347		
Particles >14µm		ASTM D7647	>80	53	<mark>▲</mark> 328	3 04		
Particles >21µm		ASTM D7647	>20	14	<u> </u>	<u> </u>		
Particles >38µm		ASTM D7647	>4	1	3	2		
Particles >71µm		ASTM D7647		0	0	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/17/13	▲ 21/19/16	<u> </u>		
FLUID DEGRADA	ATIO <u>N</u>	method	limit/base	current	history1	history2		
Acid Number (AN)		ASTM D8045		0.40	0.44	0.42		
1:08:56) Rev: 1	ing NOLI/9		1.0		Contact/Location: JESS R MONSOU			

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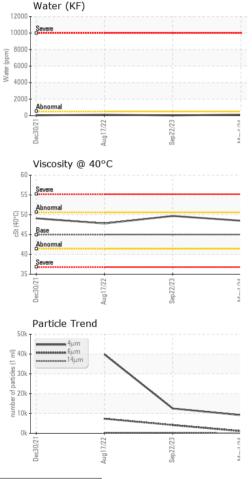
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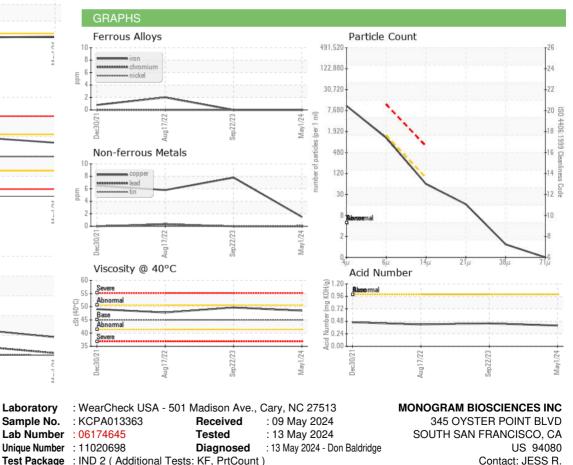






VISUAL		ام م والدم مور			histowy.d	biotow O
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	48.5	49.7	47.8
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						51

Bottom



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.

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

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Certificate 12367

Contact/Location: JESS R. - MONSOU Page 2 of 2

jessr@mjmechanicalservices.com

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