

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 5778983 (S/N 1040) Component

Compressor

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

DIAGNOSIS

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.

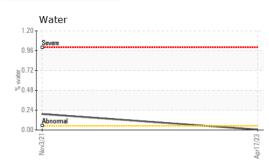
			Nov2021	Apr2023		
SAMPLE INFORM	/ IATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		KCPA002744	KCP39900	
Sample Date		Client Info		17 Apr 2023	03 Nov 2021	
Machine Age	hrs	Client Info		40511	31767	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum		ASTM D5185m		0	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
	ppm	ASTM D5185m		7	<1	
Copper	ppm					
Tin Anti-renews	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	1	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	100	19	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	4	3	
Zinc	ppm	ASTM D5185m	0	8	0	
Sulfur	ppm	ASTM D5185m	23500	22176	17757	
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<1	8	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
Water	%	ASTM D6304		0.005	▲ 0.194	
ppm Water	ppm	ASTM D6304	>500	53.6	▲ 1940	
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		711		
Particles >6µm		ASTM D7647	>1300	147		
Particles >14µm		ASTM D7647	>80	8		
Particles >21µm		ASTM D7647		2		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	0 17/14/10		
FLUID DEGRADA		()				
		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.55	0.672	
):50:11) Bev: 1			Contact/l	ocation JEFE	IRAMONTANA	- BENCONKC

Report Id: BENCONKCP [WUSCAR] 05825707 (Generated: 07/03/2023 09:50:11) Rev: 1

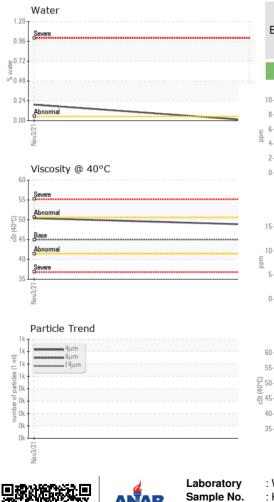
Contact/Location: JEFF TRAMONTANA - BENCONKCP

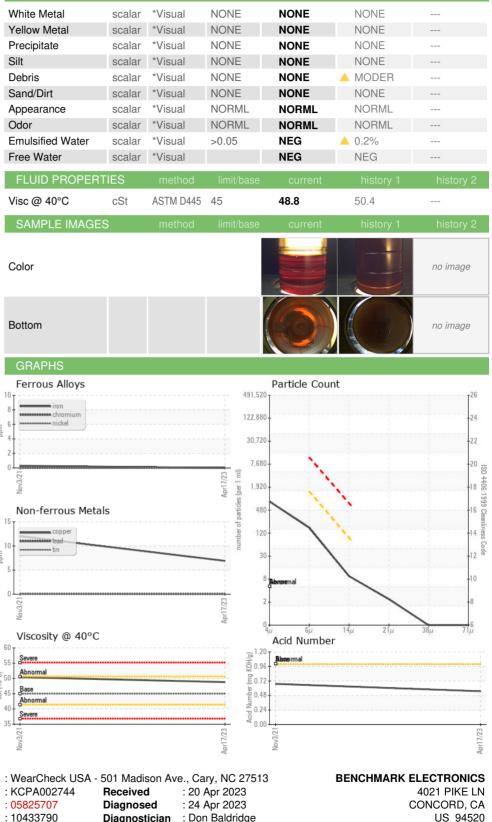


OIL ANALYSIS REPORT









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

10

35

Lab Number

Unique Number

Certificate L2367

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T:

F:

Contact: JEFF TRAMONTANA