

OIL ANALYSIS REPORT



ISO

Machine Id 51701111 (S/N 1509) Compressor

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

DIAGNOSIS

A Recommendation

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 high 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.

			0ct2021	May2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP53762	KCP38701	
Sample Date		Client Info		18 May 2023	11 Oct 2021	
Machine Age	hrs	Client Info		33727	34403	
Oil Age	hrs	Client Info		1	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel		ASTM D5185m	>3	۰ <1	0	
	ppm			0	0	
Titanium	ppm	ASTM D5185m		-		
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	5	12	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	16	
Barium	ppm	ASTM D5185m	90	0	0	
Volybdenum	ppm	ASTM D5185m	0	0	0	
Vanganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	100	2	<1	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	1	4	
Zinc	ppm	ASTM D5185m	0	0	16	
Sulfur	ppm	ASTM D5185m	23500	23118	17606	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>25	<1	1	
	ppm		>20			
Sodium	ppm	ASTM D5185m	. 00	1	<1	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water opm Water	%	ASTM D6304 ASTM D6304	>0.05 >500	0.008 87.0	▲ 0.367▲ 3670	
'	ppm					
FLUID CLEANLIN	1255	method	limit/base		history1	history2
Particles >4µm		ASTM D7647	1000	5719		
Particles >6µm		ASTM D7647		<u> </u>		
Particles >14µm		ASTM D7647	>80	<u> </u>		
Particles >21µm		ASTM D7647		<u> </u>		
Particles >38µm		ASTM D7647	>4	<u> </u>		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 20/18/15		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) 56:59) Bev: 1	mg KOH/g	ASTM D8045	1.0	0.42 Contact/Locatio	0.397 on: GEORGE TA	 Y - PENALAC

Report Id: PENALACA [WUSCAR] 05851879 (Generated: 04/04/2024 07:56:59) Rev: 1

Contact/Location: GEORGE TAY - PENALACA



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1E 31

0

12000

1000

800 (maa)

600 Water 400

200

1.20

<u>₽</u>0.9 E0.72

204

P 0.2

0.00

1000

600 Water (

4000

200

60

55

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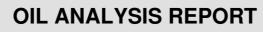
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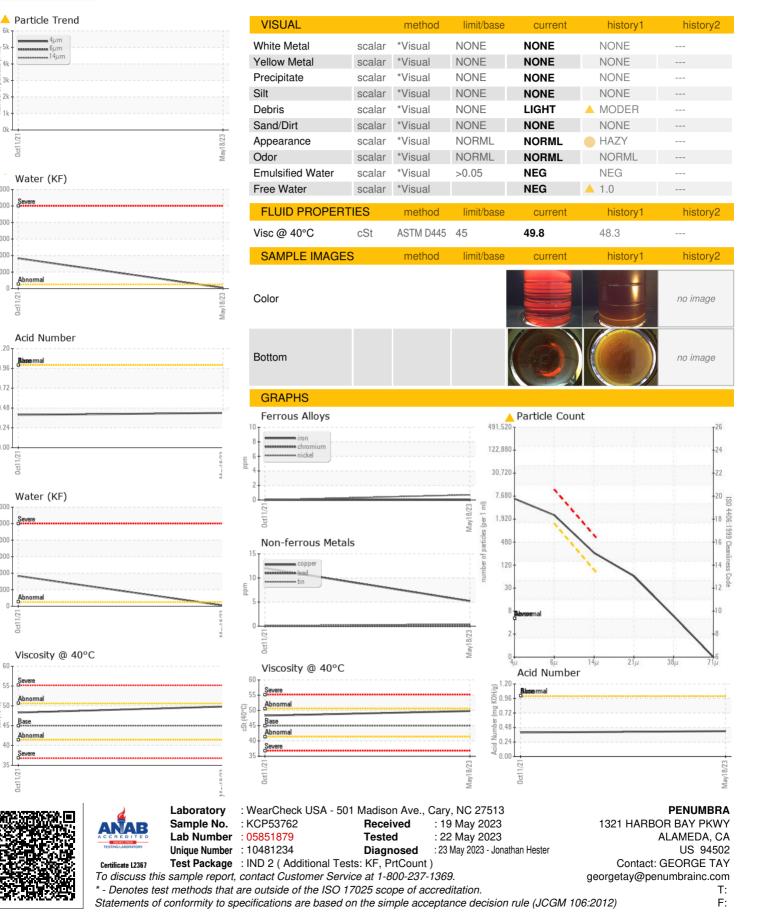
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