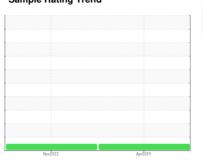


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

7319292 (S/N 1193)Component
Compressor

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

Recommendation

Resample at the next service interval to monitor.

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.

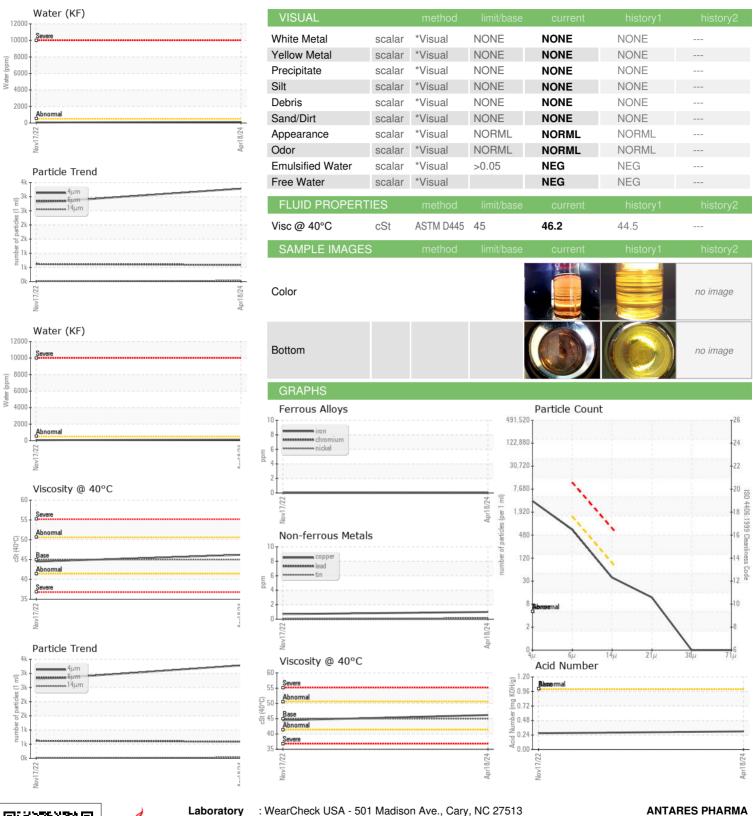
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

			Nov2022	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA012701	KCP45779	
Sample Date		Client Info		18 Apr 2024	17 Nov 2022	
Machine Age	hrs	Client Info		1444	495	
Oil Age	hrs	Client Info		0	495	
Oil Changed	1110	Client Info		Changed	Changed	
Sample Status		Chorte trillo		NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
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	0	
Aluminum	ppm	ASTM D5185m		0	4	
Lead	ppm	ASTM D5185m	>10	<1	0	
		ASTM D5185m		1	<1	
Copper Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	>10	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	40	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	30	53	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	0	<1	
Zinc	ppm	ASTM D5185m	0	23	15	
Sulfur	ppm	ASTM D5185m	23500	21518	21520	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m		13	11	
Potassium	ppm	ASTM D5185m	>20	4	7	
Water	%	ASTM D6304	>0.05	0.013	0.005	
ppm Water	ppm	ASTM D6304	>500	138	59.6	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3281	2783	
Particles >6µm		ASTM D7647	>1300	589	618	
Particles >14µm		ASTM D7647	>80	33	16	
Particles >21µm		ASTM D7647	>20	10	5	
Particles >38µm		ASTM D7647	>4	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/16/12	19/16/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.30	0.27	



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06174656

: KCPA012701 Unique Number : 11020709

Received : 09 May 2024 **Tested** Diagnosed

: 13 May 2024 : 13 May 2024 - Don Baldridge

12500 WHITEWATER DR MINNETONKA, MN US 55343

Contact: Service Manager

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)

T:

F: