

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

6675571 (S/N 1273)

Component Compressor Fluid 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 system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

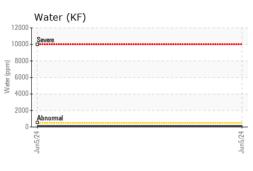
Fluid Condition

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

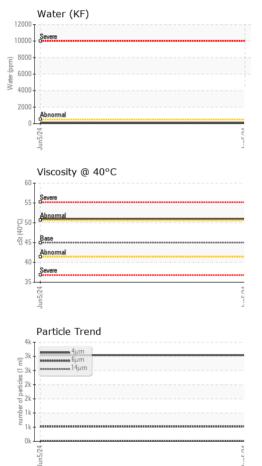
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018447		
Sample Date		Client Info		05 Jun 2024		
Machine Age	hrs	Client Info		18544		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	7		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	14		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	39		
Calcium	ppm	ASTM D5185m	0	6		
Phosphorus	ppm	ASTM D5185m	0	8		
Zinc	ppm	ASTM D5185m	0	20		
Sulfur	ppm	ASTM D5185m	23500	21261		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1		
Sodium	ppm	ASTM D5185m		22		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.05	0.012		
ppm Water	ppm	ASTM D6304	>500	120		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3043		
Particles >6µm		ASTM D7647	>1300	522		
Particles >14µm		ASTM D7647	>80	30		
Particles >21µm		ASTM D7647	>20	8		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/16/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.36		

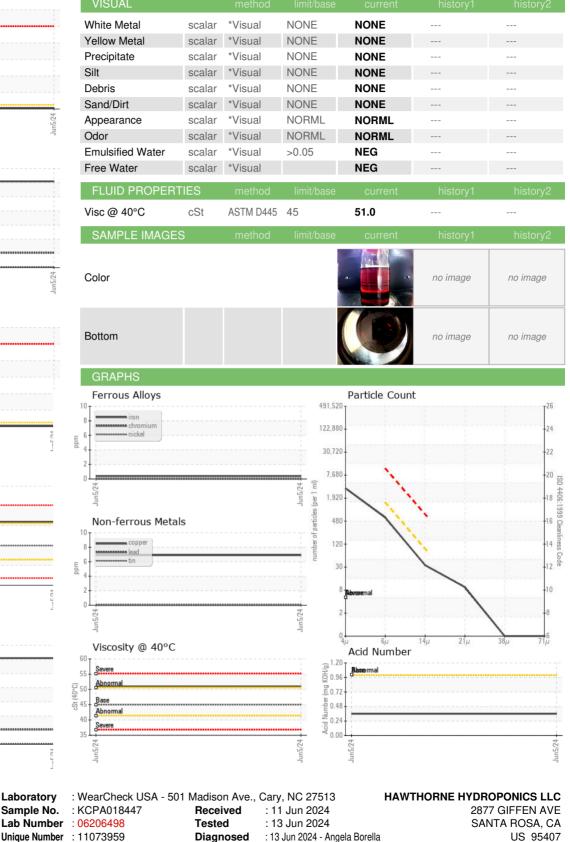


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Report Id: HAWSAN [WUSCAR] 06206498 (Generated: 06/13/2024 13:27:12) Rev: 1

Certificate 12367

Laboratory

Sample No.

Lab Number

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

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

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