

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

4454644 (S/N 1005)

Component Compressor

KAESER SIGMA (OEM) S-460 (--- QTS)

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 suitable for further service.

				Jun 2024		
				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018628		
Sample Date		Client Info		04 Jun 2024		
Machine Age	hrs	Client Info		3344		
Oil Age	hrs	Client Info		3000		
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	<1		
Nickel	ppm	ASTM D5185m	>3	<1		
Titanium	ppm	ASTM D5185m	>3	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>50	4		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	99		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	90	92		
Calcium	ppm	ASTM D5185m	2	0		
Phosphorus	ppm	ASTM D5185m		<1		
Zinc	ppm	ASTM D5185m		4		
Sulfur	ppm	ASTM D5185m		18503		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		20		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>0.05	0.033		
ppm Water	ppm	ASTM D6304	>500	339		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2949		
Particles >6µm		ASTM D7647	>1300	875		
Particles >14µm		ASTM D7647	>80	47		
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	19/17/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Asid Number (AN)	ma 1/011/-	ACTM DOGAE	0.4	0.505		

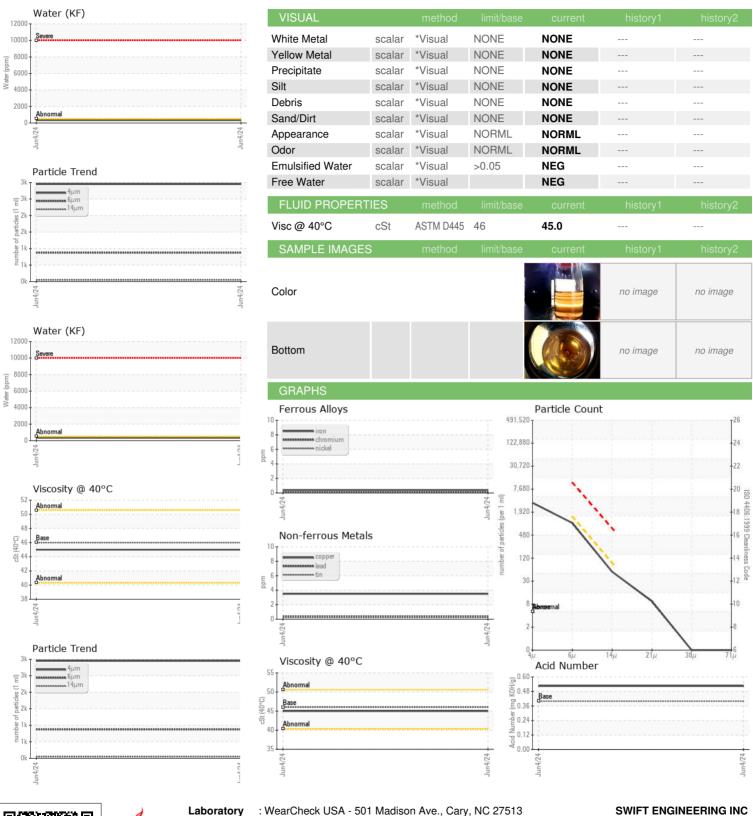
Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.525



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: KCPA018628 Lab Number : 06213470 Unique Number : 11086334

Received : 18 Jun 2024 **Tested** : 19 Jun 2024 Diagnosed

: 20 Jun 2024 - Don Baldridge 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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SAN CLEMENTE, CA US 92673

Contact: Service Manager

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