

OIL ANALYSIS REPORT

Sample Rating Trend ISO

Machine Id

KAESER 8304478 (S/N 2189)

Component Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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.

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017211		
Sample Date		Client Info		02 May 2024		
Machine Age	hrs	Client Info		6132		
Oil Age	hrs	Client Info		6132		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2		
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		
	ррпп			<u> </u>		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	22		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	100	45		
Calcium	ppm	ASTM D5185m	0	6		
Phosphorus	ppm	ASTM D5185m	0	4		
Zinc	ppm	ASTM D5185m	0	11		
Sulfur	ppm	ASTM D5185m	23500	20112		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1		
Sodium	ppm	ASTM D5185m		11		
Potassium	ppm	ASTM D5185m	>20	9		
Water	%	ASTM D6304	>0.05	0.012		
ppm Water	ppm	ASTM D6304	>500	124		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		11553		
Particles >6µm		ASTM D7647	>1300	2534		
Particles >14µm		ASTM D7647	>80	<u> </u>		
Particles >21µm		ASTM D7647	>20	4 37		
Particles >38μm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	2 1/19/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.32		



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Certificate 12367

Report Id: TESKIN [WUSCAR] 06183347 (Generated: 05/21/2024 18:49:11) Rev: 1

Laboratory Sample No.

: KCPA017211 Lab Number : 06183347

Unique Number : 11034673 Test Package : IND 2 (Additional Tests: KF, PrtCount)

Received : 17 May 2024 **Tested** Diagnosed

: 21 May 2024

: 21 May 2024 - Don Baldridge

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. Contact: D. DAGOSTINO ddagostino@tesla.com T:

499 S HENDERSON RD

KING OF PRUSSIA, PA

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

Contact/Location: D. DAGOSTINO - TESKIN

US 19406

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