

PROBLEM SUMMARY

Sample Rating Trend

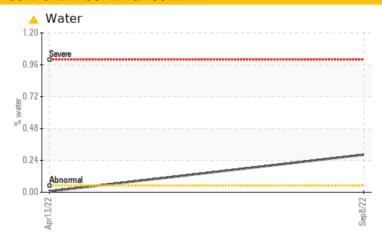
WATER

KAESER SM 15T 7223640 (S/N 1073)

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL		
Water	%	ASTM D6304	>0.05	△ 0.283	0.007		
ppm Water	ppm	ASTM D6304	>500	2830	72.3		
Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER		
Appearance	scalar	*Visual	NORML	▲ HAZY	NORML		
Free Water	scalar	*Visual		1.0	NEG		

Customer Id: ROCHAL Sample No.: KCP30995 Lab Number: 05641621 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Fluid			?	Oil and filter change at the time of sampling has been noted.	
Change Filter			?	Oil and filter change at the time of sampling has been noted.	
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.	

HISTORICAL DIAGNOSIS

13 Apr 2022 Diag: Don Baldridge

ISO



Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

WATER

KAESER SM 15T 7223640 (S/N 1073)

Compressor

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. Free water present.

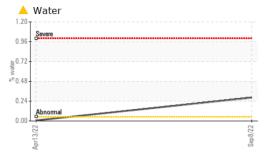
Fluid Condition

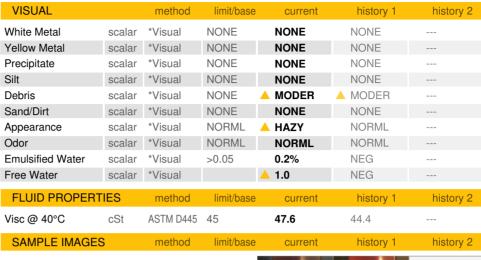
The condition of the oil is acceptable for the time in service.

			Apr2022	Sep 2022		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KCP30995	KCP44400	
Sample Date				08 Sep 2022	13 Apr 2022	
Machine Age	hrs			0	10332	
Oil Age	hrs			0	3000	
Oil Changed				Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	<1	0	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	15	13	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	'''	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	<1	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	100	0	0	
Magnesium	ppm	ASTM D5185m	100	0	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	3	2	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	23500	17007	12106	
CONTAMINANTS	5	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	2	<1	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.05	<u> </u>	0.007	
ppm Water	ppm	ASTM D6304	>500	2830	72.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4μm		ASTM D7647			60636	
Particles >6µm		ASTM D7647	>1300		<u>▲</u> 27378	
Particles >14μm		ASTM D7647	>80		<u> </u>	
Particles >21µm		ASTM D7647	>20		<u>▲</u> 253	
Particles >38µm		ASTM D7647	>4		<u>^</u> 24	
Particles >71µm		ASTM D7647	>3		1	
Oil Cleanliness		ISO 4406 (c)	>/17/13		<u>^</u> 22/17	
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.37	0.32	



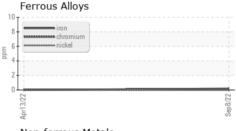
OIL ANALYSIS REPORT



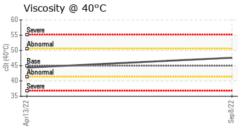


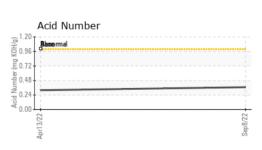
Color	no image
Bottom	no image
CDADUC	

GRAPHS



1.5	Non-ferrous Metals	
15	copper	-
10·	ennennennen tin	
Edd 5		
0	April 3/25.	1 77/0dac









Laboratory Sample No.

Lab Number Unique Number

: KCP30995 : 05641621 : 10131151

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 14 Sep 2022 Diagnosed : 15 Sep 2022 Diagnostician : Angela Borella

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

Certificate L2367 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)

ROCKET FARMS INC 2651 CABRILLO HWY N HALF MOON BAY, CA

USA 94019

Contact: Service Manager

T: F: