

PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

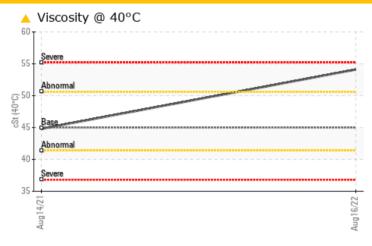
7438357 (S/N 1074)

Component

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.

PROBLEMATIC TEST RESULTS										
Sample Status				ATTENTION	ABNORMAL					
Visc @ 40°C	cSt	ASTM D445	45	<u>▲</u> 54.1	44.8					

Customer Id: NORHOR
Sample No.: KCP48155
Lab Number: 05623889
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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.

HISTORICAL DIAGNOSIS

14 Aug 2021 Diag: Don Baldridge

ISO



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. All component wear rates are normal. There is a high amount of particulates 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

VISCOSITY

7438357 (S/N 1074)

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.

Wear

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 oil viscosity is higher than normal. The AN level is acceptable for this fluid.

			Aug2021	Aug2022		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KCP48155	KCP11916	
Sample Date				16 Aug 2022	14 Aug 2021	
Machine Age	hrs			12999	5474	
Oil Age	hrs			7526	5474	
Oil Changed	1113			Changed	Changed	
Sample Status				ATTENTION	ABNORMAL	
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WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	2	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	0	0	
Aluminum	ppm	ASTM D5185m	>10	<1	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	4	5	
Tin	ppm	ASTM D5185m	>10	<1	0	
Antimony	ppm	ASTM D5185m			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	<1	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	<1	1	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	3	<1	
Zinc	ppm	ASTM D5185m	0	15	18	
Sulfur	ppm	ASTM D5185m	23500	19230	15603	
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<1	0	
Sodium	ppm	ASTM D5185m		1	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.05	0.009	0.010	
ppm Water	ppm	ASTM D6304	>500	91.4	100.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		2970	8939	
Particles >6µm		ASTM D7647	>1300	894	▲ 3459	
Particles >14μm		ASTM D7647	>80	75	<u>^</u> 269	
Particles >21µm		ASTM D7647	>20	17	△ 70	
Particles >38µm		ASTM D7647	>4	2	4	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13	△ 19/15	
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.50	0.385	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCP48155 : 05623889

: 10103396

Received Diagnosed

: 22 Aug 2022 : 24 Aug 2022 Diagnostician : 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) **NORWOOD SALES** 11202 38TH ST S

HORACE, ND USA 58047

Contact: Service Manager

T: F: