

PROBLEM SUMMARY

Sample Rating Trend



Machine Id

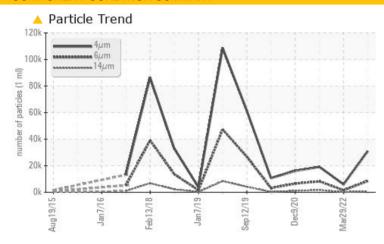
KAESER ASD 40 4672450 (S/N 1022)

Component

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status		ABNORMAL	ATTENTION	ABNORMAL				
Particles >6μm	ASTM D7647 >130	0 A 8504	<u>▲</u> 1537	<u>▲</u> 8206				
Particles >14μm	ASTM D7647 >80	^ 764	1 44	<u>▲</u> 1658				
Particles >21µm	ASTM D7647 >20	<u> </u>	4 8	<u></u> 540				
Oil Cleanliness	ISO 4406 (c) >17/1	3 A 20/17	<u> </u>	<u>^</u> 20/18				

Customer Id: LRPDEN Sample No.: KCP40463 Lab Number: 05644894 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

29 Mar 2022 Diag: Doug Bogart

ISO



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 moderate 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.



09 Sep 2021 Diag: Angela Borella

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.



09 Dec 2020 Diag: Angela Borella

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



KAESER ASD 40 4672450 (S/N 1022)

Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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.

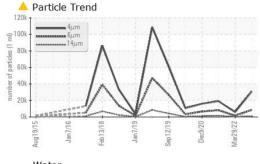
Fluid Condition

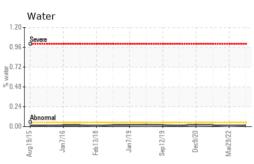
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Aug2015 Ja	an 2016 Feb 2018 Jan	2019 Sep2019 Dec2020	Mar2022	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number				KCP40463	KCP45301	KCP42784
Sample Date				08 Sep 2022	29 Mar 2022	09 Sep 2021
Machine Age	hrs			26263	25047	23581
Oil Age	hrs			316	0	2005
Oil Changed				Not Changd	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m	>10	1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	3	2	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	<1	1
Barium	ppm	ASTM D5185m	90	39	55	27
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	56	88	41
Calcium	ppm	ASTM D5185m	0	<1	2	<1
Phosphorus	ppm	ASTM D5185m	0	3	4	<1
Zinc	ppm	ASTM D5185m	0	6	1	8
Sulfur	ppm	ASTM D5185m	23500	17777	17312	17327
CONTAMINANTS	3	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		20	19	15
Potassium	ppm	ASTM D5185m	>20	<1	2	0
Water	%	ASTM D6304	>0.05	0.015	0.008	0.016
ppm Water	ppm	ASTM D6304	>500	157.0	80.7	164.4
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		30931	5921	19157
Particles >6µm		ASTM D7647	>1300	<u>\$504</u>	<u>▲</u> 1537	<u>▲</u> 8206
Particles >14µm		ASTM D7647	>80	^ 764	<u> </u>	<u>▲</u> 1658
Particles >21µm		ASTM D7647	>20	<u> </u>	△ 48	<u>▲</u> 540
Particles >38µm		ASTM D7647	>4	3	4	<u> </u>
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	<u>^</u> 20/17	▲ 18/14	△ 20/18
FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2

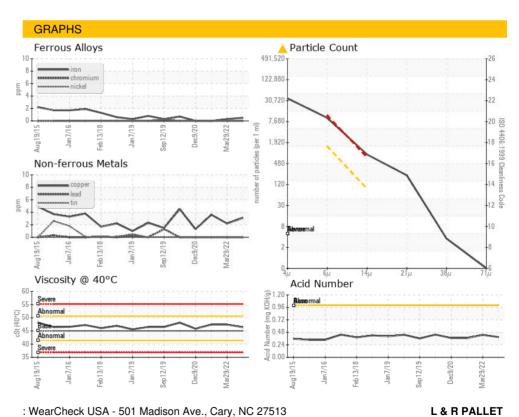


OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	ΓIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	45	46.4	47.4	47.4
SAMPLE IMAGES	S	method	limit/base	current	history 1	history 2
Color						
Bottom						







Laboratory Sample No. Lab Number Unique Number

: 10139433

: KCP40463 : 05644894

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

Received Diagnosed

Diagnostician : Angela Borella

: 19 Sep 2022 : 20 Sep 2022 3855 LIMA ST DENVER, CO USA 80239

Contact: SERVICE MANAGER

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)

Contact/Location: SERVICE MANAGER ? - LRPDEN

T:

F: