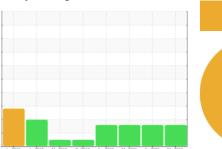


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

KAESER AIRCENTER SX5 4103681 (S/N 1136)

Compressor

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

Recommendation

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.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

		Jan 2015 J	an 2018 Mar 2019 Oct 20	19 Aug2020 Mar2021 Apr2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016271	KCP52733	KCP36805
Sample Date		Client Info		18 Mar 2024	17 Apr 2023	27 Mar 2021
Machine Age	hrs	Client Info		23692	22481	19750
Oil Age	hrs	Client Info		1211	0	2319
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	4	9	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	31	12	40
Calcium	ppm	ASTM D5185m	0	0	<1	<1
Phosphorus	ppm	ASTM D5185m	0	4	<1	2
Zinc	ppm	ASTM D5185m	0	36	42	45
Sulfur	ppm	ASTM D5185m	23500	20923	21493	17958
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		15	5	18
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.05	0.018	0.013	0.019
ppm Water	ppm	ASTM D6304	>500	187	134.0	198.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5345	4292	6989
Particles >6µm		ASTM D7647	>1300	<u> </u>	1346	<u>^</u> 2236
Particles >14µm		ASTM D7647	>80	109	137	▲ 313
Particles >21µm		ASTM D7647	>20	29	48	<u> </u>
Particles >38μm		ASTM D7647	>4	2	3	9
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/14	19/18/14	▲ 18/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06202032 Unique Number : 11069493

: KCPA016271

Received : 06 Jun 2024 **Tested** : 07 Jun 2024 Diagnosed

: 09 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)

OLD DOMINION FREIGHT LINES

3378 WALL TRIANA HWY HUNTSVILLE, AL US 35824

Contact: JEROD EDGE

jerod.edge@odfl.com T:

Report Id: OLDHUN [WUSCAR] 06202032 (Generated: 06/09/2024 18:27:08) Rev: 1

Contact/Location: JEROD EDGE - OLDHUN

F: