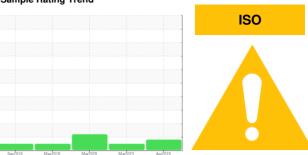


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER FSD 400 5131855 (S/N 1139)

Compressor

KAESER SIGMA (OEM) S-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 silt (particulates < 14 microns in size) present in the oil.

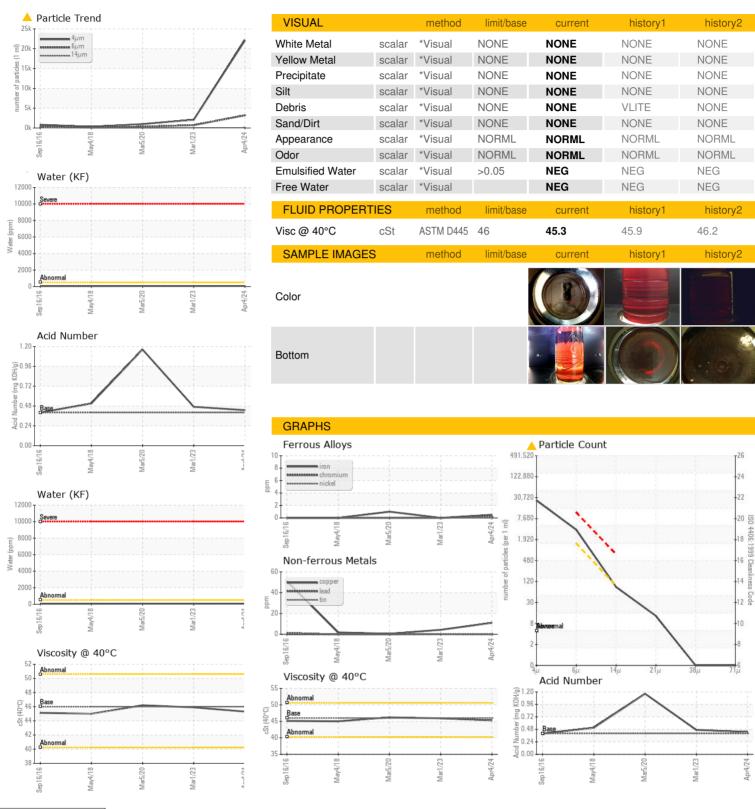
Fluid Condition

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

		Sep2016	May2018	Mar2020 Mar2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014841	KCP54534	KCP20030
Sample Date		Client Info		04 Apr 2024	01 Mar 2023	05 Mar 2020
Machine Age	hrs	Client Info		75558	66427	43914
Oil Age	hrs	Client Info		9131	8362	5725
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	2
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	11	4	<1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	2	<1	0
Calcium	ppm	ASTM D5185m	2	3	0	0
Phosphorus	ppm	ASTM D5185m		<1	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		21462	10588	4187
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.05	0.006	0.006	0.006
ppm Water	ppm	ASTM D6304	>500	70	68.8	68.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		22127	2090	991
Particles >6µm		ASTM D7647	>1300	<u>^</u> 3201	724	320
Particles >14μm		ASTM D7647	>80	74	62	24
Particles >21µm		ASTM D7647	>20	11	19	6
Particles >38μm		ASTM D7647	>4	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	<u> </u>	17/13	15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







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

Sample No. Lab Number : 06142284 Unique Number : 10967092

: KCPA014841

Received : 08 Apr 2024 **Tested** : 11 Apr 2024 Diagnosed

: 11 Apr 2024 - Don Baldridge

AIR PRODUCTS & CHEMICALS INC - HOEGANAES 1315 AIRPORT RD

GALLATIN, TN US 37066

Contact: SERVICE MANAGER

Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

Report Id: AIRGAL [WUSCAR] 06142284 (Generated: 04/12/2024 00:43:32) Rev: 1

Contact/Location: SERVICE MANAGER ? - AIRGAL

T:

F: