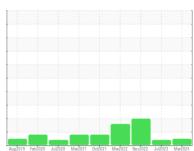


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

6558193 (S/N 1505)

Component Compressor

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

Recommendation

Resample at the next service interval to monitor.

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

		Aug2019 Feb	2020 Jul2020 Mar2021	Oct2021 Mar2022 Nov2022 Jul202	3 Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015066	KCPA005509	KCP47023
Sample Date		Client Info		21 Mar 2024	27 Jul 2023	09 Nov 2022
Machine Age	hrs	Client Info		33826	29994	25936
Oil Age	hrs	Client Info		3832	0	2000
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	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	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	10	7	6
Tin	ppm	ASTM D5185m	>10	0	0	0
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	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	<1	0	2
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	3	0	<1
Zinc	ppm	ASTM D5185m	0	0	0	1
Sulfur	ppm	ASTM D5185m	23500	18797	16306	22360
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Water	%	ASTM D6304	>0.05	0.007	0.028	△ 0.220
ppm Water	ppm	ASTM D6304	>500	80	283.4	<u>^</u> 2200
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		145	1094	
Particles >6µm		ASTM D7647	>1300	77	147	
Particles >14µm		ASTM D7647	>80	9	8	
Particles >21µm		ASTM D7647	>20	3	1	
Particles >38µm		ASTM D7647	>4	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	14/13/10	17/14/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.53	0.60	0.58



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06202038 Unique Number : 11069499

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA015066 Received

: 06 Jun 2024 **Tested** Diagnosed

: 07 Jun 2024 : 09 Jun 2024 - Don Baldridge

CONAGRA FOODS - ARDENT MILLS 2050 MARKET ST NE DECATUR, AL US 35601

Contact: STEVEN PERRY

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.

STEVEN.PERRY@ARDENMILLS.COM T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: