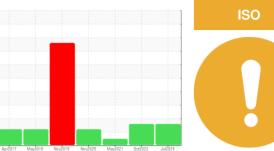


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SM 10 5404759 (S/N 1754)

Compressor

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

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 suitable for further service.

			May2018 Nov2019	Nov2020 May2021 Oct2023	Jul2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015586	KCPA006934	KCP36676
Sample Date		Client Info		12 Jul 2024	30 Oct 2023	18 May 2021
Machine Age	hrs	Client Info		18560	16664	14464
Oil Age	hrs	Client Info		0	0	6230
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	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	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	4	4	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	13
Barium	ppm	ASTM D5185m	90	0	0	16
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	40	42	67
Calcium	ppm	ASTM D5185m	0	0	0	1
Phosphorus	ppm	ASTM D5185m	0	0	8	5
Zinc	ppm	ASTM D5185m	0	79	32	3
Sulfur	ppm	ASTM D5185m	23500	23488	17296	16800
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		19	15	11
Potassium	ppm	ASTM D5185m	>20	3	5	<1
Water	%	ASTM D6304	>0.05	0.031	0.040	0.031
ppm Water	ppm	ASTM D6304	>500	313	408.5	310.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9041	11421	5345
Particles >6µm		ASTM D7647	>1300	<u>2144</u>	4 089	1049
Particles >14μm		ASTM D7647	>80	128	▲ 339	35
Particles >21μm		ASTM D7647	>20	37	▲ 80	10
Particles >38µm		ASTM D7647	>4	2	3	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/18/14	<u>^</u> 21/19/16	17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: 06238375

: KCPA015586 Unique Number : 11127209

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Jul 2024 **Tested** : 17 Jul 2024

: 18 Jul 2024 - Don Baldridge Diagnosed

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 ? - FEDMTJ

Contact: SERVICE MANAGER

100 FEDEX WAY

MT JULIET, TN

US 37122

T:

F: