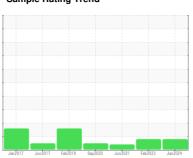


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id KAESER SM8 2585669 (S/N 1131)

Compressor

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

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 moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

		Jan2017	Jun2017 Feb2019	Sep2020 Jun2021 Feb2023	Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA008811	KCP54118	KCP32856
Sample Date		Client Info		10 Jan 2024	07 Feb 2023	01 Jun 2021
Machine Age	hrs	Client Info		7570	7044	5995
Oil Age	hrs	Client Info		0	1000	300
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	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	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	8	21	6
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	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	0	0	8
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	<1	0	36
Calcium	ppm	ASTM D5185m	0	0	0	3
Phosphorus	ppm	ASTM D5185m	0	0	9	5
Zinc	ppm	ASTM D5185m	0	9	0	3
Sulfur	ppm	ASTM D5185m	23500	18191	22033	17180
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	0
Sodium	ppm	ASTM D5185m		4	<1	10
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water	%	ASTM D6304	>0.05	0.032	0.005	0.027
ppm Water	ppm	ASTM D6304	>500	320	58.7	279.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		14542	22425	22286
Particles >6µm		ASTM D7647	>1300	1854	▲ 2196	<u>^</u> 2655
Particles >14μm		ASTM D7647	>80	75	27	74
Particles >21µm		ASTM D7647	>20	17	5	11
Particles >38µm		ASTM D7647	>4	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	2 1/18/13	2 2/18/12	△ 19/13
FLUID DEGRADA	MOITA	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

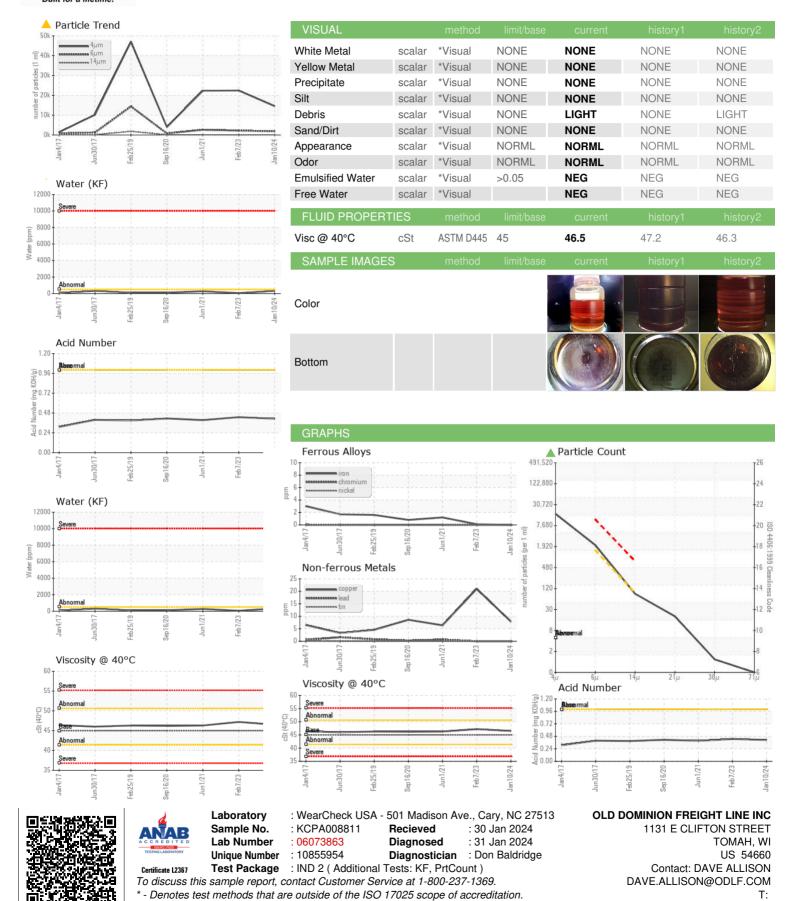
0.43

Contact/Location: DAVE ALLISON - OLDTOM

0.394



OIL ANALYSIS REPORT



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

F: