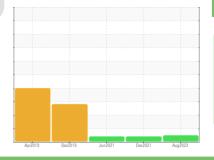


OIL ANALYSIS REPORT

Sample Rating Trend







Compressor KAESER SIGMA (OEM) M-460 (--- LTR)

KAESER SM 10 355574 (S/N 1597)

Component

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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

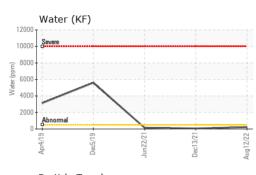
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP50626	KCP43920	KCP33937
Sample Date		Client Info		12 Aug 2022	13 Dec 2021	22 Jun 2021
Machine Age	hrs	Client Info		16856	16854	15185
Oil Age	hrs	Client Info		1	0	3144
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m	>10	1	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		2	6	6
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Antimony	ppm	ASTM D5185m			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	<1	14
Barium	ppm	ASTM D5185m	90	40	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	100	65	6	24
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	0	2	0	5
Zinc	ppm	ASTM D5185m		14	19	11
Sulfur	ppm	ASTM D5185m	23500	18936	17532	15285
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	0	0
Sodium	ppm	ASTM D5185m		3	1	7
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304		0.022	0.006	0.015
ppm Water	ppm	ASTM D6304		228.6	65.9	152.1
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4663	4488	
Particles >6µm		ASTM D7647	>1300	892	1289	
Particles >14µm		ASTM D7647	>80	41	89	
Particles >21µm		ASTM D7647	>20	8	15	
Particles >38µm		ASTM D7647	>4	0	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	- 19/17/13	17/14	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)				0.33	0.303	0.346
5·10·22) Rev: 1	mg KOH/g ASTM D8045 1.0 0.33 0.303 0.346 Contact/Location: JOHN SIMPSON - OLDWESCA					

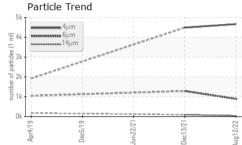
Report Id: OLDWESCA [WUSCAR] 05628934 (Generated: 03/05/2024 05:10:22) Rev: 1

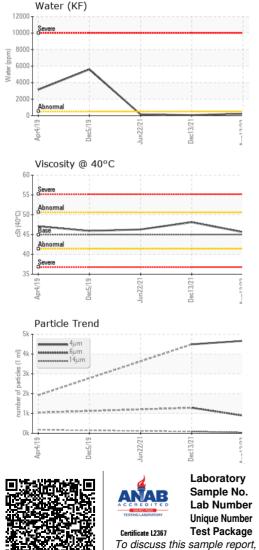
Contact/Location: JOHN SIMPSON - OLDWESCA



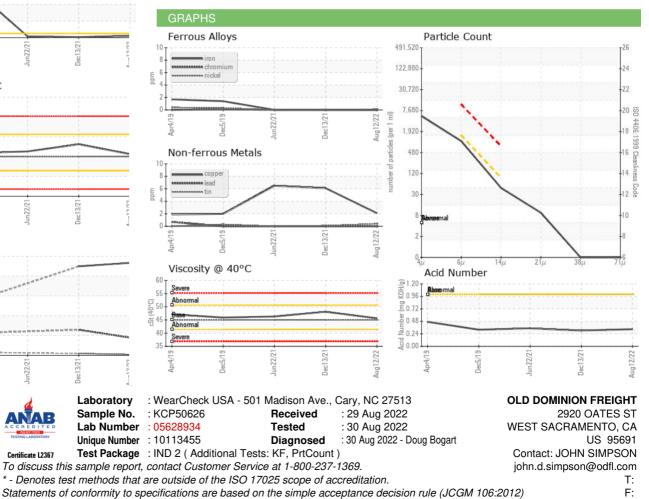
OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	45.6	48.1	46.3
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



Contact/Location: JOHN SIMPSON - OLDWESCA