

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER ASD 40ST 4354126 (S/N 1044)

Compressor

KAESER SIGMA (OEM) M-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 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.

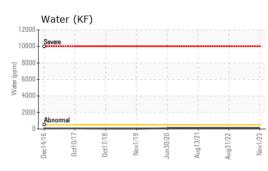
		Dec2016 0	Det2017 Oct2018 Nov20	19 Jun ² 020 Aug ² 021 Aug ² 022	Nov2023	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA009774	KCP30973	KCP35641
Sample Date		Client Info		01 Nov 2023	31 Aug 2022	13 Aug 2021
Vachine Age	hrs	Client Info		28224	25743	23384
Dil Age	hrs	Client Info		0	2358	3234
Dil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
lickel	ppm	ASTM D5185m	>3	<1	0	0
ītanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	6	<1
luminum	ppm	ASTM D5185m	>10	2	0	0
.ead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	13	13	15
- in	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
/anadium	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	16
Barium	ppm	ASTM D5185m	90	0	0	0
Nolybdenum	ppm	ASTM D5185m	0	0	0	0
Nanganese	ppm	ASTM D5185m		0	0	0
lagnesium	ppm	ASTM D5185m	100	1	<1	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	2	0
Zinc	ppm	ASTM D5185m	0	2	0	0
Sulfur	ppm	ASTM D5185m	23500	18606	18296	18538
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	0
Sodium	ppm	ASTM D5185m		0	<1	<1
otassium	ppm	ASTM D5185m	>20	1	0	0
Vater	%	ASTM D6304	>0.05	0.011	0.010	0.009
opm Water	ppm	ASTM D6304	>500	112.8	105.3	90.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3502	8787	
Particles >6µm		ASTM D7647	>1300	867	1030	
Particles >14µm		ASTM D7647	>80	65	28	
Particles >21µm		ASTM D7647	>20	16	4	
Particles >38µm		ASTM D7647	>4	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Dil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13	20/17/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0 Conto	0.46	0.46	0.463

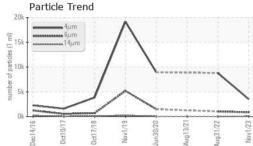
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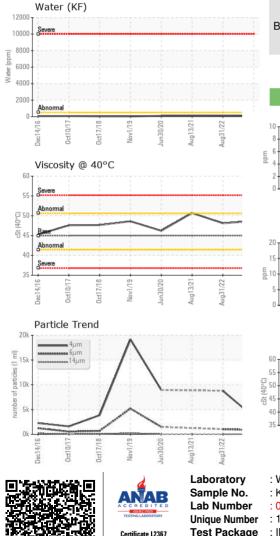
Contact/Location: SERVICE MANAGER ? - DBPCOL



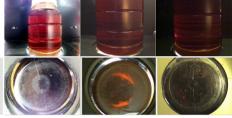
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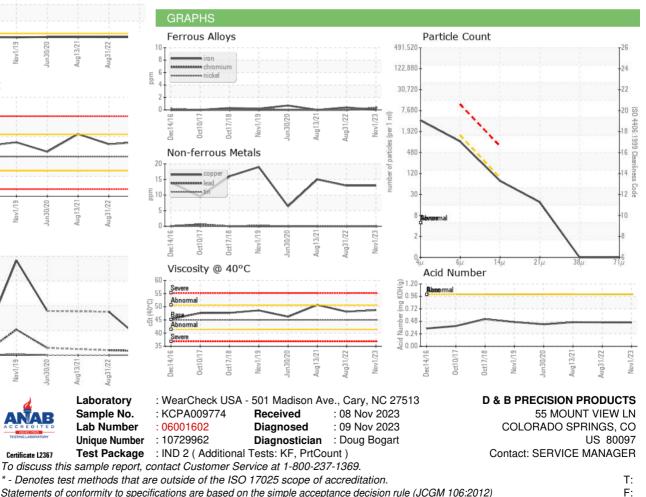




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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 PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	48.7	48.1	50.7
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



Bottom



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