

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

KAESER SM 15T 3867958 (S/N 1257)

Component Compressor

Fluid 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 a high 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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA012347	KCP46215	KCP27708
Sample Date		Client Info		19 Jun 2024	16 Feb 2023	15 Mar 2021
Machine Age	hrs	Client Info		38121	33286	25183
Oil Age	hrs	Client Info		3602	8103	5296
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		3	37	10
Tin			>50	0	0	0
	ppm	ASTM D5185m	>10	0 		0
Antimony	ppm					
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	<1	0	<1
Barium	ppm	ASTM D5185m	90	29	<1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	64	23	16
Calcium	ppm	ASTM D5185m	0	2	0	0
Phosphorus	ppm	ASTM D5185m	0	56	1	2
Zinc	ppm	ASTM D5185m	0	12	82	30
Sulfur	ppm	ASTM D5185m	23500	20078	18719	14492
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	0
Sodium	ppm	ASTM D5185m		13	7	6
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water	%	ASTM D6304	>0.05	0.022	0.006	0.009
ppm Water	ppm	ASTM D6304	>500	221	65.9	98.2
ppm Water FLUID CLEANLIN		ASTM D6304 method	>500 limit/base		65.9 history1	98.2 history2
				221		
FLUID CLEANLIN		method	limit/base	221 current	history1	history2
FLUID CLEANLIN Particles >4µm		method ASTM D7647	limit/base	221 current 7912	history1	history2 11806
FLUID CLEANLIN Particles >4μm Particles >6μm		method ASTM D7647 ASTM D7647	limit/base	221 current 7912 ▲ 2797	history1 	history2 11806 ▲ 3519
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm		method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80	221 current 7912 ▲ 2797 ▲ 282	history1 	history2 11806 ▲ 3519 ▲ 336
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20	221 current 7912 ▲ 2797 ▲ 282 ▲ 78	history1	history2 11806 ▲ 3519 ▲ 336 ▲ 90
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4	221 current 7912 ▲ 2797 ▲ 282 ▲ 78 0	history1 	history2 11806 ▲ 3519 ▲ 336 ▲ 90 1
FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ESS	method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >1300 >80 >20 >4 >3	221 current 7912 ▲ 2797 ▲ 282 ▲ 78 0 0 0	history1	history2 11806 ▲ 3519 ▲ 336 ▲ 90 1 0

Report Id: KRAHOL [WUSCAR] 06234899 (Generated: 07/15/2024 13:58:22) Rev: 1

Contact/Location: SERVICE MANAGER - KRAHOL

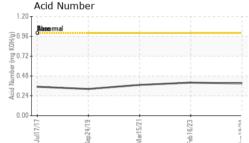


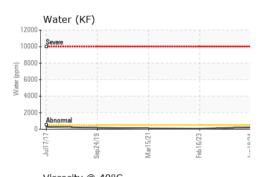
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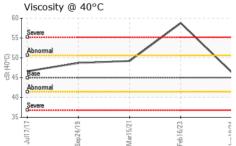
Water

OIL ANALYSIS REPORT

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Billing 8k				the last part and part part and part and	Precipit
(m 12k - 10k - 8k - 6k - 4k -	No. of Concession, Name				Silt
4k - 2k -					Debris
	100 Care 10 Ca				Sand/D
2020	Jull ////	Mar15/21	Feb 16/23	Jun19/24	Appear
-	Sep	. N	-E	un f	Odor
• •	Water (KF)				Emulsif
12000 T					Free W
10000- 4	Severe				FLUI
8000-					
6000					Visc @
4000-					SAM
2000 -	Abnormal				
٥Ļ					-
.W2H	Jull ////	Marl 5/2	Feh 16/23	Jun19/24	Color
-	Ser	2	a.		

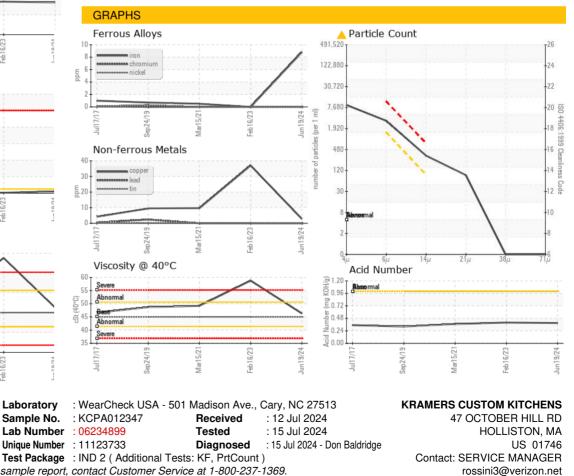






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Bottom



- 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)

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Certificate 12367

Laboratory

Sample No.

Contact/Location: SERVICE MANAGER - KRAHOL

T:

F: