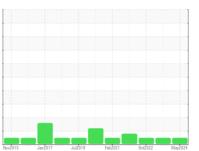


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KAESER BSD 50 4136863 (S/N 1014)

Component Compressor

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

Recommendation

Resample at the next service interval to monitor.

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.

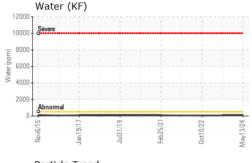
Fluid Condition

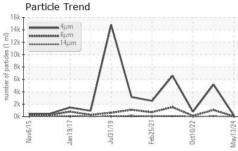
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

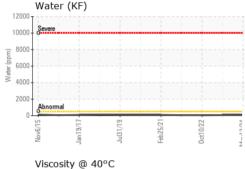
		Nov2015	Jan2017 Jul2019	Feb2021 0ct2022	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016699	KCPA006143	KCP46670D
Sample Date		Client Info		13 May 2024	05 Oct 2023	10 Oct 2022
Machine Age	hrs	Client Info		37295	35411	32475
Oil Age	hrs	Client Info		1900	0	4891
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	13	14	17
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
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	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	<1	2	0
Calcium	ppm	ASTM D5185m	0	0	<1	0
Phosphorus	ppm	ASTM D5185m	0	6	<1	8
Zinc	ppm	ASTM D5185m	0	0	24	0
Sulfur	ppm	ASTM D5185m	23500	18473	17343	21353
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.008	0.007	0.005
ppm Water	ppm	ASTM D6304	>500	82	72.3	55.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		166	5178	788
Particles >6µm		ASTM D7647	>1300	35	1061	119
Particles >14μm		ASTM D7647	>80	5	59	11
Particles >21μm		ASTM D7647	>20	0	14	6
Particles >38µm		ASTM D7647	>4	0	1	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	15/12/10	20/17/13	17/14/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

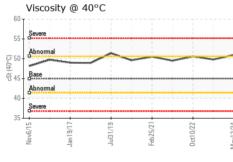


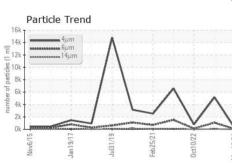
OIL ANALYSIS REPORT

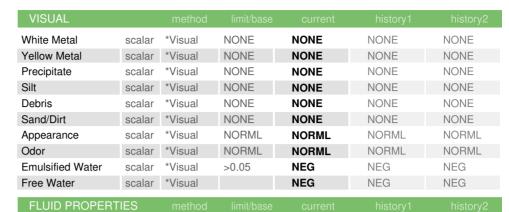










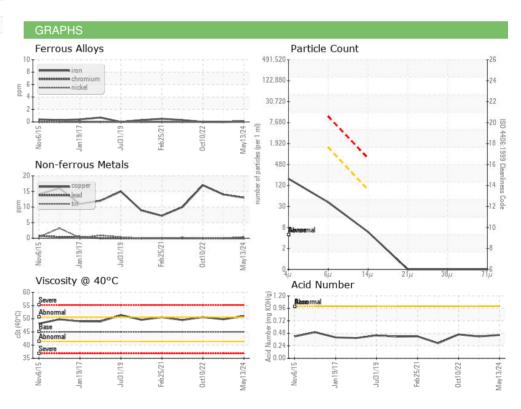


CANADIE INAACI	-0					
Visc @ 40°C	cSt	ASTM D445	45	51.0	49.8	50.6

Color











Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number

: KCPA016699 : 06209236 Unique Number : 11076697

Received **Tested** Diagnosed

: 13 Jun 2024 : 16 Jun 2024

: 16 Jun 2024 - Doug Bogart

Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

ALBANY, GA US 31705 Contact: JIMMY BROWN jimmy_brown@unifirst.com

UNIFIRST CORPORATION

1021 WARE ST

* - 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)

Report Id: UNIALB [WUSCAR] 06209236 (Generated: 06/16/2024 14:36:19) Rev: 1

Contact/Location: JIMMY BROWN - UNIALB

T:

F: