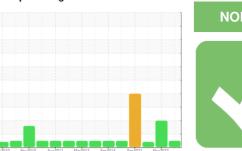


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 

Machine Id

# KAESER DSD 150 3411093 (S/N 1034)

Compressor

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

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### 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 component. The amount and size of particulates present in the system is acceptable.

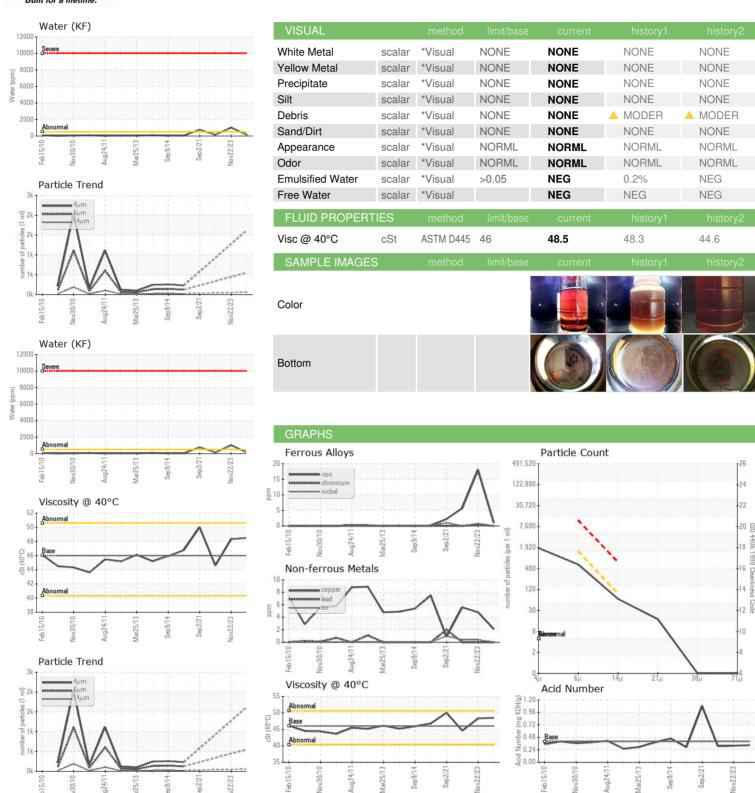
### **Fluid Condition**

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

		Feb 2010 No	v2010 Aug2011 Mai	2013 Sep2014 Sep2021 N	lov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018114	KCPA008763	KCP49201
Sample Date		Client Info		14 May 2024	22 Nov 2023	19 Jan 2023
Machine Age	hrs	Client Info		109108	107282	104409
Oil Age	hrs	Client Info		3000	0	3000
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	18	6
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	3	5
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	5	6
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	4	<1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	27	40	5
Calcium	ppm	ASTM D5185m	2	0	7	2
Phosphorus	ppm	ASTM D5185m		5	0	65
Zinc	ppm	ASTM D5185m		39	15	25
Sulfur	ppm	ASTM D5185m		21647	20749	18724
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Sodium	ppm	ASTM D5185m		42	28	35
Potassium	ppm	ASTM D5185m	>20	10	10	9
Water	%	ASTM D6304	>0.05	0.013	<u> </u> 0.102	0.013
ppm Water	ppm	ASTM D6304	>500	140	<u>1020</u>	138.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1628		
Particles >6µm		ASTM D7647		551		
Particles >14μm		ASTM D7647	>80	57		
Particles >21μm		ASTM D7647	>20	15		
Particles >38μm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number

: KCPA018114 : 06202070 Unique Number : 11069531

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024

**Tested** : 11 Jun 2024 Diagnosed Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 11 Jun 2024 - Jonathan Hester

US 28144 Contact: JOHN EWALD johnewald@packagingcorp.com

PACKAGING CORPORATION OF AMERICA

1302 n. SALISBURY AVE.

SALISBURY, NC

 $^st$  - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

T:

F: