

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend



### Machine Id **4903303 (S/N 2800)** Component

# **Compressor**

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

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

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

#### Fluid Condition

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

			May2021	0ct2022		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP47938D	KCP33770	
Sample Date		Client Info		27 Oct 2022	07 May 2021	
Machine Age	hrs	Client Info		24674	20392	
Oil Age	hrs	Client Info		2500	2000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>2	1	0	
Aluminum	ppm	ASTM D5185m		<1	0	
Lead		ASTM D5185m	>10	0	0	
	ppm	ASTM D5185m		2	4	
Copper	ppm			2 <1	4	
Tin	ppm	ASTM D5185m	>10			
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	<1	0	
Manganese	ppm	ASTM D5185m		1	0	
Magnesium	ppm	ASTM D5185m	100	25	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	5	0	
Zinc	ppm	ASTM D5185m	0	4	0	
Sulfur	ppm	ASTM D5185m	23500	21930	18607	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>25	2	2	
	ppm		>20			
Sodium	ppm	ASTM D5185m	. 00	7	0	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
Water	%	ASTM D6304		0.007	0.007	
ppm Water	ppm	ASTM D6304	>500	74.2	78.7	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1864		
Particles >6µm		ASTM D7647		458		
Particles >14µm		ASTM D7647	>80	23		
Particles >21µm		ASTM D7647	>20	5		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.32	0.369	
:25:10) Rev: 1	U - U				on: N FERGUS	ON - CITPASC

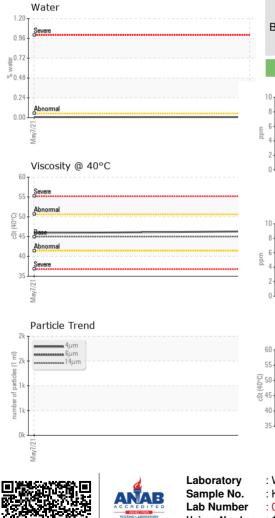
Report Id: CITPASCA [WUSCAR] 05681181 (Generated: 07/14/2023 09:25:10) Rev: 1



# **OIL ANALYSIS REPORT**







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ion       122,880       24         nickel       30,720       20         nickel       1920       7,660       1920         Non-ferrous Metals       1920       400       1920         Viscosity @ 40°C       200       100       100         Abnormal       200       100       100         Severe       100       100       100         Jaze       Abnormal       200       100         Jaze       Abnormal       24       100         Jaze       100       100       100       100         Jaze       100       100       100       100       100         Jaze       100       100       100       100       100       100         Jaze       100       100       100       100       100       100       100	Ferrous Alloys			101 020		t	20
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Non-ferrous Metals				122,880			-24
Non-ferrous Metals				30.720			22
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Viscosity @ 40°C         2         2         4         4         2         4         4         3         6         7         6         7         6         7         6         7         6         7         6         7         7         6         7         7         6         7         7         6         7         7         7         6         7	tin				-		12
Viscosity @ 40°C         2         2         4         4         2         4         4         3         6         7         6         7         6         7         6         7         6         7         6         7         7         6         7         7         6         7         7         6         7         7         7         6         7							
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#### 0ct27/22 -Mav7/71 0ct27/22 Mav7 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **CITY OF PASO ROBLES** : KCP47938D Received : 31 Oct 2022 3200 SULPHUR SPRINGS RD Diagnosed : 02 Nov 2022 PASO ROBLES, CA : 05681181 Unique Number : 10195752 Diagnostician : Don Baldridge US 93446 Test Package : IND 2 (Additional Tests: KF, PrtCount) Contact: N FERGUSON NFERGUSON@PRCITY.COM 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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367