

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

7200996 (S/N 1596) Compressor

Fluid KAESER SIGMA (OEM) FG-460 (--- GAL)

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.

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018123	KCPA007268	KCP53516
Sample Date		Client Info		13 Jun 2024	06 Nov 2023	20 Apr 2023
Machine Age	hrs	Client Info		22472	18586	15891
Oil Age	hrs	Client Info		0	0	2200
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	0	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	6	7	6
Lead	ppm		>10	<1	0	0
Copper	ppm	ASTM D5185m		7	4	5
Tin	ppm	ASTM D5185m		<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		2	0	<1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	265	211	380
Zinc	ppm	ASTM D5185m		219	158	224
Sulfur	ppm	ASTM D5185m		1369	3652	1566
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water	%	ASTM D6304	>0.05	0.002	0 .125	0.004
ppm Water	ppm	ASTM D6304	>500	21	1250	48.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		879		4226
Particles >6µm		ASTM D7647	>1300	314		1308
Particles >14µm		ASTM D7647	>80	31		90
Particles >21µm		ASTM D7647	>20	7		22
Particles >38µm		ASTM D7647	>4	1		1
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/12		19/18/14
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.71	0.60	1.10



Water (ppm)

0

1200

100

200

54 52

50

() 48

42 Al

40

5

Ê 4

salo 3k

5 21

0

VIav19/

Vlay19/21

Particle Trend

Dr22/22

š 44 /Jav1

pr22/22

Water (ppm) 600

OIL ANALYSIS REPORT

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scalar

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scalar

scalar

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NONE

NONE

NONE

NONE

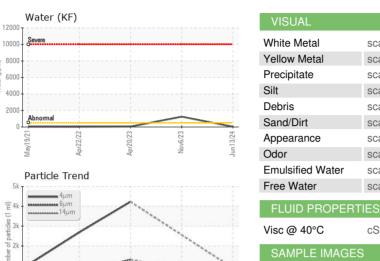
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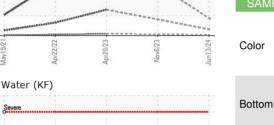
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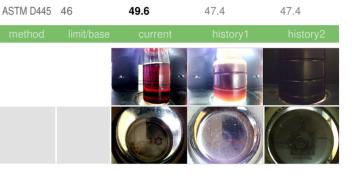
NORML

NORML

>0.05







HEAVY

NONE

NONE

NONE

NONE

NONE

NORML

NORML

0.2%

NEG

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

NEG

NEG

NONE

NONE

NONE

NONE

NONE

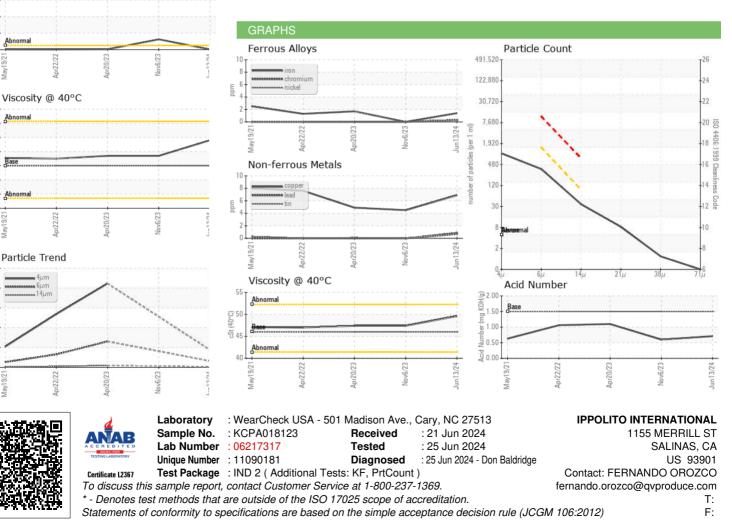
NONE

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Contact/Location: FERNANDO OROZCO - IPPSAL