

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER DSD 200 7168487 (S/N 1965)

Component Compressor

Fluid KAESER SIGMA (OEM) S-460 (--- LTR)

#### Recommendation

The 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

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 acceptable for the time in service.

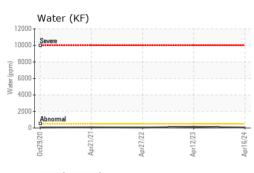
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015315	KCP53026	KCP45106
Sample Date		Client Info		16 Apr 2024	12 Apr 2023	27 Apr 2022
Machine Age	hrs	Client Info		19146	14716	11462
Oil Age	hrs	Client Info		2188	2071	5308
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	0
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	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	- <1	0	0
Copper	ppm	ASTM D5185m		6	1	5
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m	210			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium		ASTM D5185m		۰ <1	0	0
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m	90	0	4	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	90	4	43	3
Calcium	ppm	ASTM D5185m	2	3	<1	0
Phosphorus	ppm	ASTM D5185m		3	2	2
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		18567	21092	14819
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		0	7	<1
Potassium	ppm	ASTM D5185m	>20	<1	4	0
Water	%	ASTM D6304	>0.05	0.005	0.014	0.005
ppm Water	ppm	ASTM D6304	>500	59	149.9	53.8
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1433	14267	832
Particles >6µm		ASTM D7647	>1300	531	<u> </u>	350
Particles >14µm		ASTM D7647	>80	67	<u> </u>	66
Particles >21µm		ASTM D7647	>20	22	<mark>\</mark> 83	18
Particles >38µm		ASTM D7647	>4	0	2	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/13	<b>1</b> /19/16	17/16/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN) :01:55) Rev: 1	mg KOH/g	ASTM D8045	0.4	0.48 Contact/Locati	0.41 ion: TROY SMY	0.42 RES - WILMC

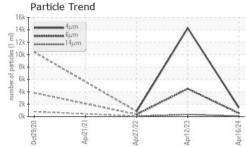
Report Id: WILMCP [WUSCAR] 06158467 (Generated: 04/25/2024 18:01:55) Rev: 1

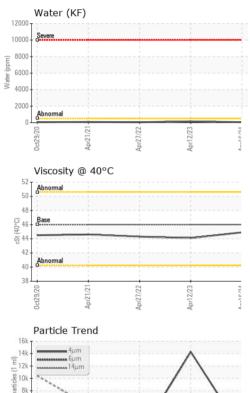
Contact/Location: TROY SMYRES - WILMCP Page 1 of 2

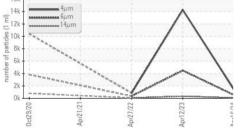


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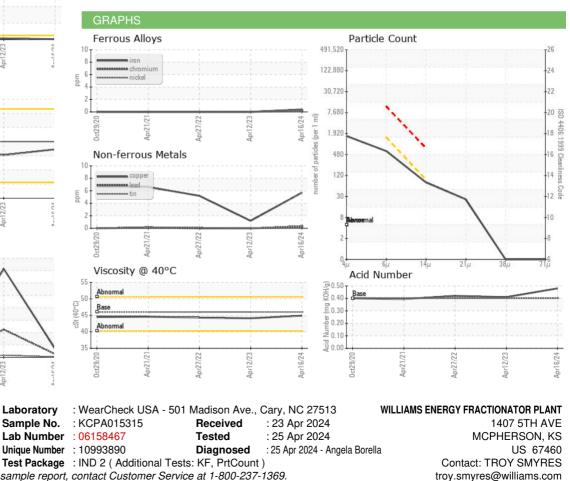






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.9	44.1	44.3
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						
Bottom						

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

Contact/Location: TROY SMYRES - WILMCP

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