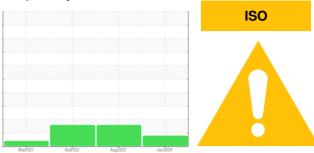


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

6673813 (S/N 1162)

Component Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

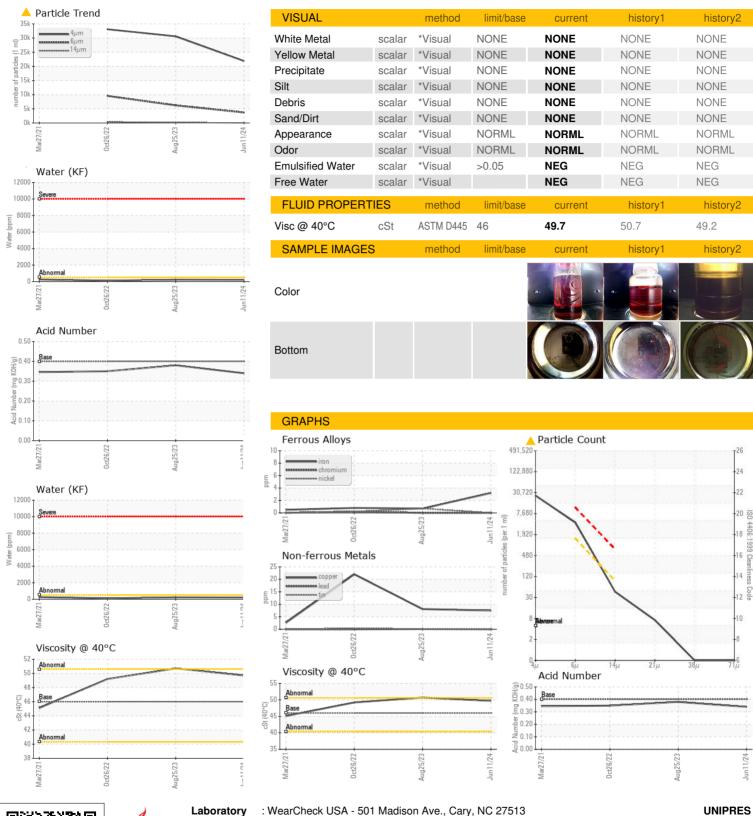
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA012352	KCPA003622	KCP49960
Sample Date		Client Info		11 Jun 2024	25 Aug 2023	26 Oct 2022
Machine Age	hrs	Client Info		22002	16891	12114
Oil Age	hrs	Client Info		8000	0	7374
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm	ASTM D5185m	>3	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	1
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	8	8	22
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	<1	27	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		4	<1	2
Magnesium	ppm	ASTM D5185m	90	32	62	30
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		6	<1	1
Zinc	ppm	ASTM D5185m		29	23	31
Sulfur	ppm	ASTM D5185m		21231	22498	21870
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		9	33	21
Potassium	ppm	ASTM D5185m	>20	<1	4	2
Water	%	ASTM D6304	>0.05	0.020	0.022	0.011
ppm Water	ppm	ASTM D6304	>500	202	224.8	112.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		21882	30599	33097
Particles >6µm		ASTM D7647	>1300	<u>▲</u> 3716	<u>^</u> 6224	4 9547
Particles >14µm		ASTM D7647	>80	39	<u> </u>	<u></u> 4 353
Particles >21µm		ASTM D7647	>20	6	▲ 38	▲ 38
Particles >38µm		ASTM D7647	>4	0	2	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	19/12	△ 20/15	<u>^</u> 20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.34



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: KCPA012352 : 06212434 Unique Number : 11085298

Received **Tested** Diagnosed

: 19 Jun 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF, PrtCount)

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

brett.shields@unipres.com Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 17 Jun 2024

: 19 Jun 2024

Report Id: UNISTEAL [WUSCAR] 06212434 (Generated: 06/21/2024 21:06:20) Rev: 1

Contact/Location: BRETT SHIELDS - UNISTEAL

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