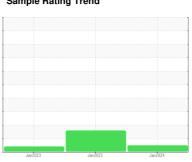


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **8301993 (S/N 1278)**

Component

Compressor

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

Recommendation

Resample at the next service interval to monitor.

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.

		Jan2023 Jan2023		Jan2023 Jan20	3 Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA008640	KCP54106	KC95295
Sample Date		Client Info		08 Jan 2024	11 Jan 2023	10 Jan 2023
Machine Age	hrs	Client Info		6084	3365	3365
Oil Age	hrs	Client Info		0	3300	3300
Oil Changed	0	Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		6	6	6
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m	7.0	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	10	2	35
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	58	42	57
Calcium	ppm	ASTM D5185m	2	2	<1	3
Phosphorus	ppm	ASTM D5185m		36	5	11
Zinc	ppm	ASTM D5185m		0	14	6
Sulfur	ppm	ASTM D5185m		21767	18355	23273
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	1
Sodium	ppm	ASTM D5185m		22	15	23
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water	%	ASTM D6304	>0.05	0.018	0.026	0.006
ppm Water	ppm	ASTM D6304	>500	187	260.1	69.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1388	6162	
Particles >6µm		ASTM D7647	>1300	368	▲ 1852	
Particles >14µm		ASTM D7647	>80	38	1 32	
Particles >21µm		ASTM D7647	>20	11	3 5	
Particles >38µm		ASTM D7647	>4	1	4	
Particles >71µm		ASTM D7647	>3	0	1	
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12	2 0/18/14	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A a lat Niconala a u (ANI)	I/OII/-	ACTM DODAE	0.4	0.20	0.00	0.04

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

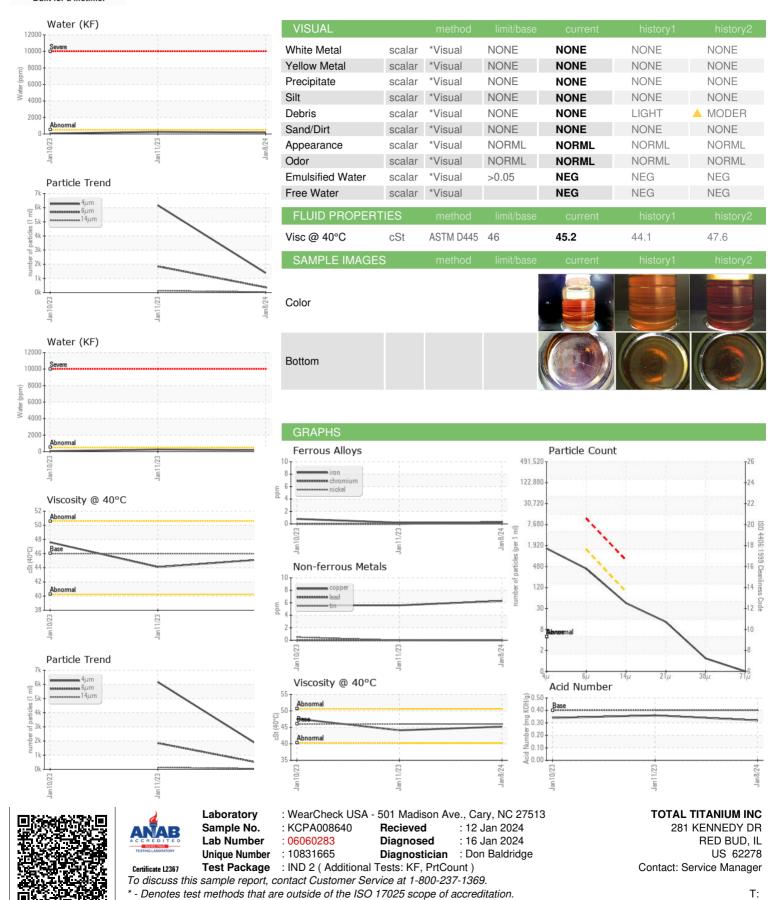
0.36

0.32

0.34



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: