

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

8296492 (S/N 1376)

Component Compressor Fluid KAESER SIGMA (OEM) S-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.

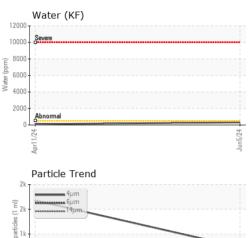
Fluid Condition

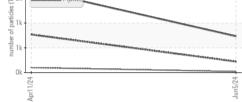
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

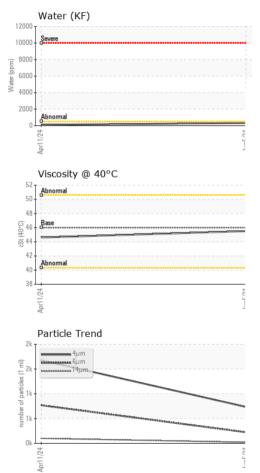
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC131439	KC130125	
Sample Date		Client Info		05 Jun 2024	11 Apr 2024	
Machine Age	hrs	Client Info		7871	7870	
Oil Age	hrs	Client Info		100	6000	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	2	0	
Lead	ppm	ASTM D5185m	>10	<1	0	
Copper	ppm	ASTM D5185m	>50	2	15	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m	90	70	0	
Molybdenum	ppm	ASTM D5185m	00	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	90	74	19	
Calcium	ppm	ASTM D5185m		0	<1	
Phosphorus	ppm	ASTM D5185m	-	0	<1	
Zinc	ppm	ASTM D5185m		0	0	
-			11 1. 0			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		3	17	
Potassium	ppm	ASTM D5185m	>20	2	8	
Water	%	ASTM D6304	>0.05	0.031	0.010	
ppm Water	ppm	ASTM D6304	>500	315	110	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		733	1677	
Particles >6µm		ASTM D7647		222	768	
Particles >14µm		ASTM D7647	>80	20	0 100	
Particles >21µm		ASTM D7647		5	931	
Particles >38µm		ASTM D7647	>4	0	2	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/11	18/17/14	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.37	0.25	

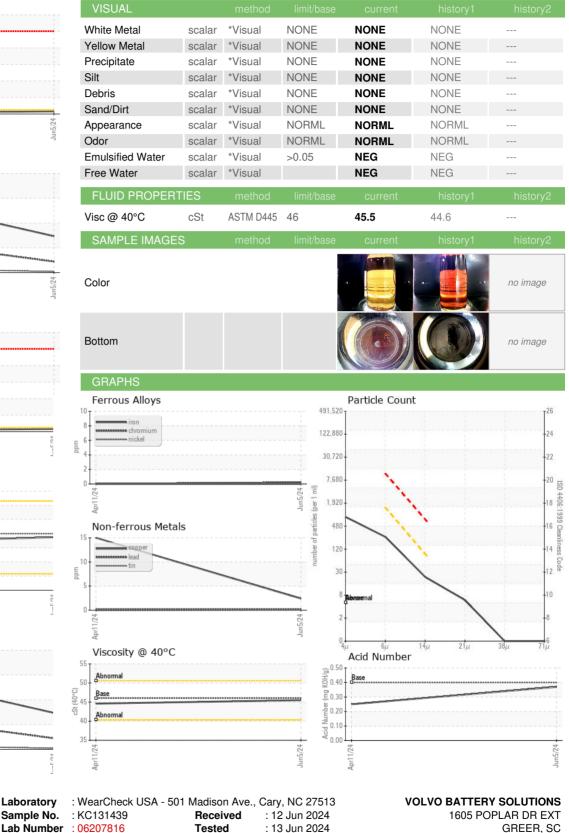


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: 14 Jun 2024 - Don Baldridge



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

Unique Number : 11075277

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.

Test Package : IND 2

Diagnosed

Laboratory

Sample No.

Report Id: VOLGRESC [WUSCAR] 06207816 (Generated: 06/14/2024 11:59:21) Rev: 1

Certificate 12367

Contact/Location: Service Manager - VOLGRESC

US 29651

T:

F:

Contact: Service Manager