

OIL ANALYSIS REPORT

Sample Rating Trend

WATER

KAESER 8367786

Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil.

Fluid Condition

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

			Jul2023	Mar2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013792	KCPA004131	
Sample Date		Client Info		12 Mar 2024	18 Jul 2023	
Machine Age	hrs	Client Info		5171	3074	
Oil Age	hrs	Client Info		3106	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	3	7	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium		ASTM D5185m	210	0	0	
Cadmium	ppm ppm	ASTM D5185m		0	0	
ADDITIVES	ppm	method	limit/base	-	-	biotom
				current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	10	2	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	0	0	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	23500	21738	21918	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	0	
Sodium	ppm	ASTM D5185m		4	2	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water	%	ASTM D6304	>0.05	0.072	0.007	
ppm Water	ppm	ASTM D6304	>500	A 720	71.2	
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			279	
Particles >6µm		ASTM D7647	>1300		84	
Particles >14µm		ASTM D7647	>80		8	
Particles >21µm		ASTM D7647	>20		3	
Particles >38µm		ASTM D7647	>4		0	
Particles >71µm		ASTM D7647	>3		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13		15/14/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.46	0.41	
AGIO NUTTIDEL (AIN)	niy ivor i/y	AG INI D0040	1.0	0.70	0.41	



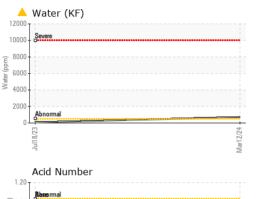
OIL ANALYSIS REPORT

method

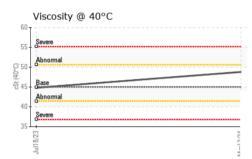
limit/base

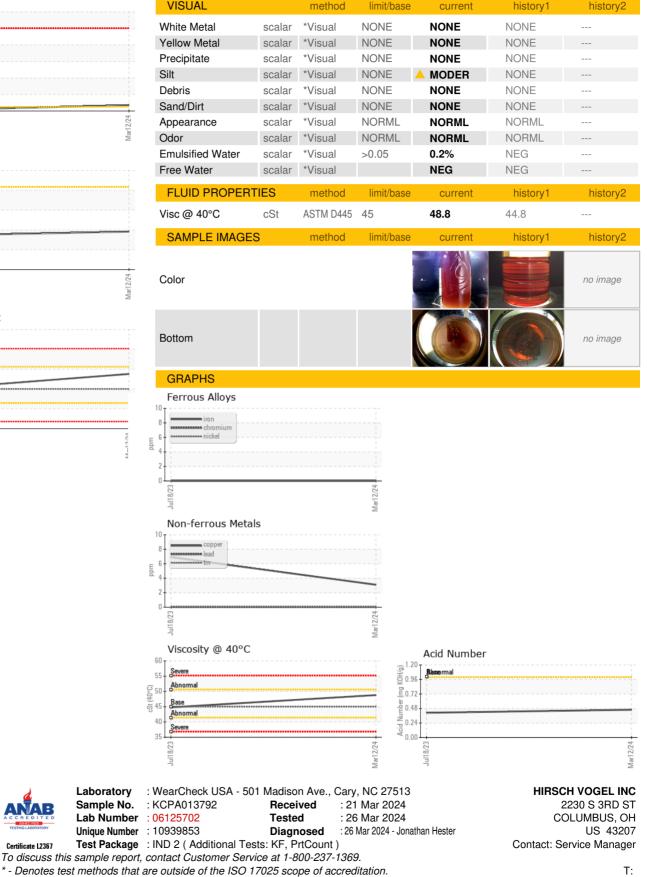
current

VISUAL









Certificate L2367

Laboratory Sample No.

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

F:

history2