

OIL ANALYSIS REPORT

Sample Rating Trend





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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

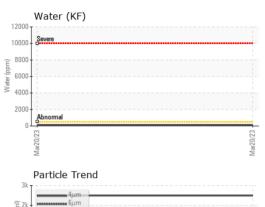
Fluid Condition

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

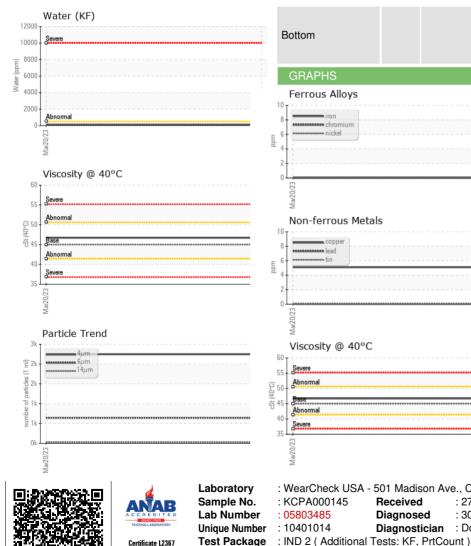
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA000145		
Sample Date		Client Info		20 Mar 2023		
Machine Age	hrs	Client Info		13130		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium		ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	-		
	ppm			0		
Aluminum	ppm	ASTM D5185m	>10	<1		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	5		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	0		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	<1		
Zinc	ppm	ASTM D5185m		16		
Sulfur	ppm	ASTM D5185m	23500	21758		
CONTAMINANTS	i -	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.008		
ppm Water	ppm	ASTM D6304	>500	82.7		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2245		
Particles >6µm		ASTM D7647	>1300	641		
Particles >14µm		ASTM D7647	>80	26		
Particles >21µm		ASTM D7647	>20	5		
Particles >38µm		ASTM D7647	>4	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/17/12		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.43		
(-)	0 - 0					

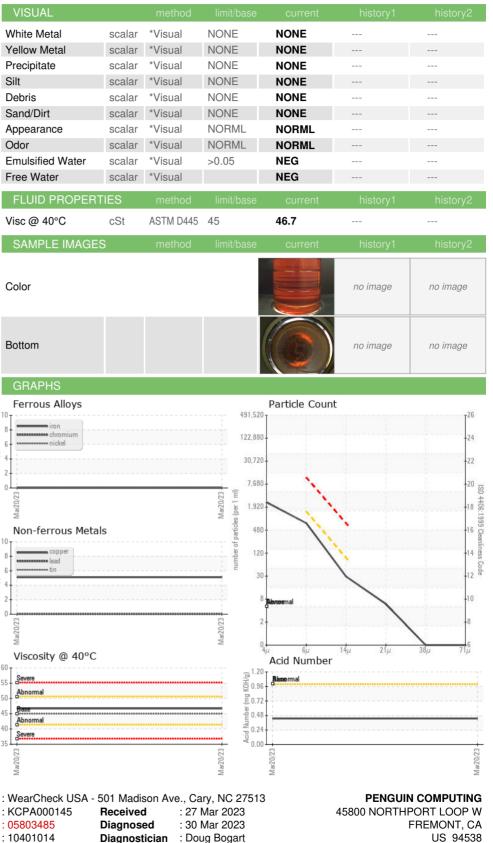


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Contact: LAYALA