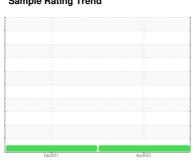


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



7247919 (S/N 1690)

Component

Compressor Fluid

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

	VО	

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.

CANADI E INICODA	AATION		Feb 2021	AprŽ023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP52311	KCP30768	
Sample Date		Client Info		28 Apr 2023	24 Feb 2021	
Machine Age	hrs	Client Info		25087	7008	
Oil Age	hrs	Client Info		7340	4797	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	2	
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	<1	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	8	5	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Antimony	ppm	ASTM D5185m			0	
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	<1	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	1	13	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	1	20	
Zinc	ppm	ASTM D5185m	0	0	92	
Sulfur	ppm	ASTM D5185m	23500	22680	20395	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	
Sodium	ppm	ASTM D5185m		<1	<1	
Potassium	ppm	ASTM D5185m	>20	<1	2	
Water	%	ASTM D6304	>0.05	0.011	0.011	
ppm Water	ppm	ASTM D6304	>500	112.6	116.0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		606	3328	
Particles >6µm		ASTM D7647	>1300	251	335	
Particles >14µm		ASTM D7647	>80	39	14	
Particles >21µm		ASTM D7647	>20	17	5	
Particles >38µm		ASTM D7647	>4	1	0	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	16/15/12	16/11	
FLUID DEGRADA	LION _	method	limit/base	current	history1	history2
PLOID BEGINDA	HIOIV	- mothod	- mmu base	Garrein	— motory i	— motoryz

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

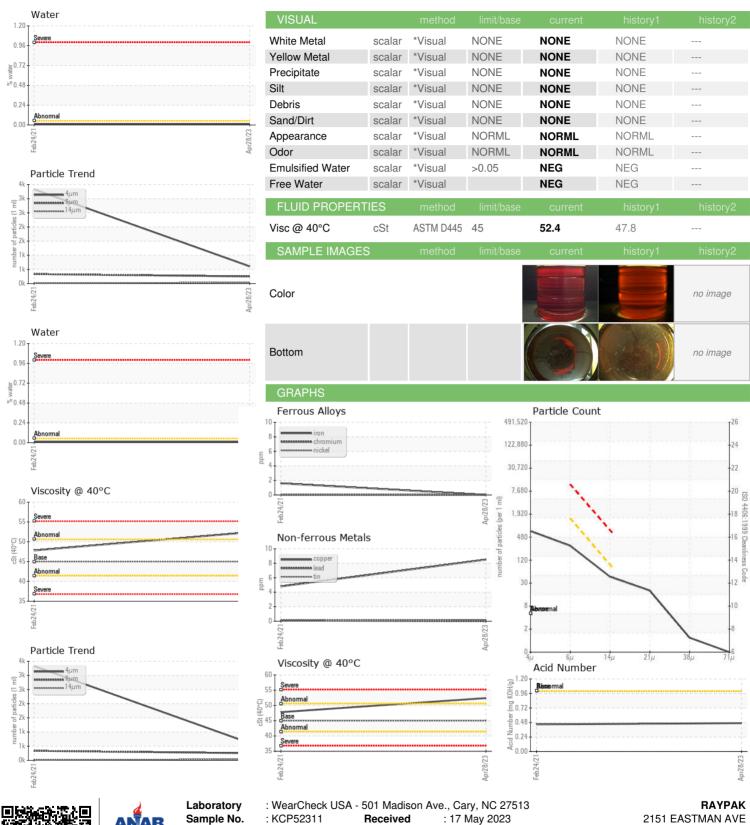
0.449

Report Id: RAYOXN [WUSCAR] 05849750 (Generated: 07/12/2023 16:50:06) Rev: 1

Contact/Location: Service Manager - RAYOXN



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: KCP52311 : 05849750 : 10479105

Received

Diagnosed Diagnostician : Don Baldridge Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 19 May 2023

OXNARD, CA US 93030

Contact: Service Manager

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.

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

T: F: