

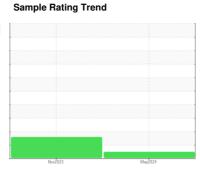
OIL ANALYSIS REPORT



RHEINSTAHL NH3 - NER-C2 OK20020 (S/N 98M-139-0100C)

Refrigeration Compressor

USPI 1009-68 SC (200 GAL)





DIAGNOSIS

Recommendation

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.

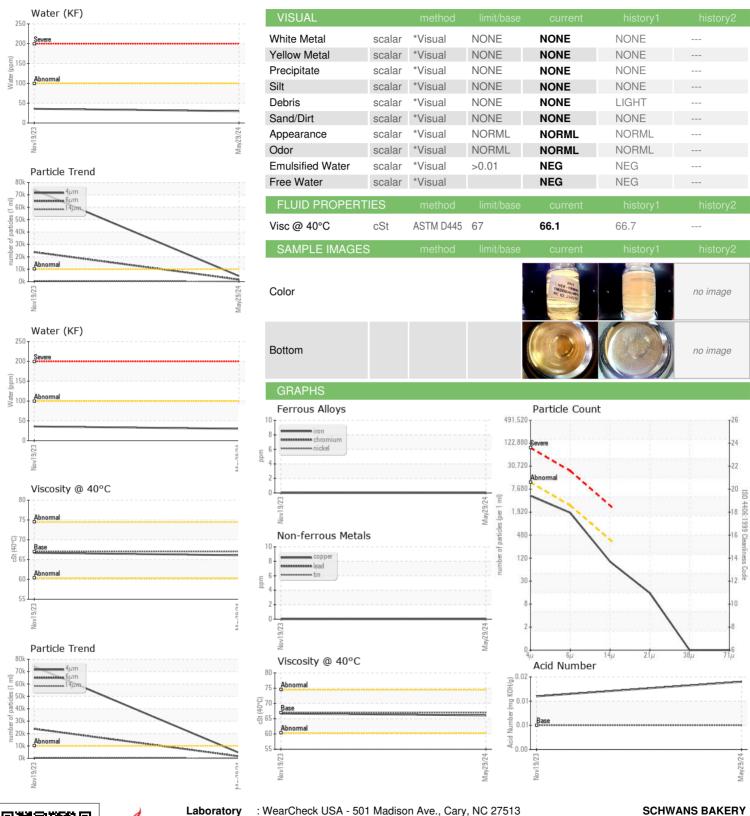
Fluid Condition

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

		<u>, </u>	Nov2023	MayŽ024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP240455	USP0003611	
Sample Date		Client Info		29 May 2024	19 Nov 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	
Chromium	ppm	ASTM D5185m	>2	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>3	0	<1	
Lead	ppm	ASTM D5185m	>2	0	0	
Copper	ppm	ASTM D5185m	>8	0	0	
Tin	ppm	ASTM D5185m	>4	0	0	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		0	1	
Calcium	ppm	ASTM D5185m		<1	1	
Phosphorus	ppm	ASTM D5185m		0	1	
Zinc	ppm	ASTM D5185m		2	0	
Sulfur	ppm	ASTM D5185m	50	13	15	
	• •			-		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	
Sodium	ppm	ASTM D5185m		<1	<1	
Potassium	ppm	ASTM D5185m		0	2	
Water	%	ASTM D6304		0.003	0.003	
ppm Water	ppm	ASTM D6304	>100	30	35.8	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	4477	^ 74050	
Particles >6µm		ASTM D7647	>2500	1609	<u>\$\text{23794}\$</u>	
Particles >14μm		ASTM D7647	>320	86	△ 670	
Particles >21µm		ASTM D7647	>80	13	77	
Particles >38μm		ASTM D7647	>20	0	1	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/18/14	<u>\$\text{23}\22\17\$</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.011	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. : USP240455 Lab Number : 06195945 Unique Number : 11058068

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 May 2024 **Tested** : 02 Jun 2024

Diagnosed : 02 Jun 2024 - Doug Bogart

US 74960 Contact: DENNIS LONGSHORE

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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: (918)696-8296 F:

5 EAST WALNUT

STILWELL, OK