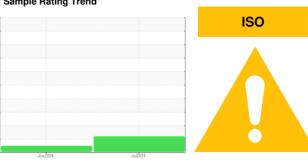


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# NK 111898

Compressor

CIMARRON HB-150 (--- GAL)

## **DIAGNOSIS**

### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

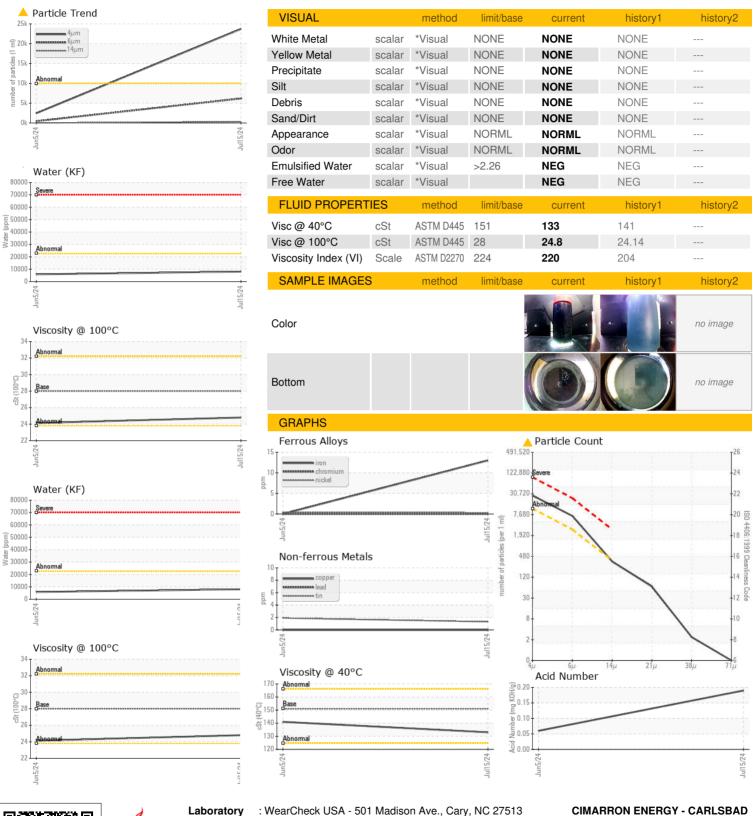
### **Fluid Condition**

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

		L	Jun 2024	Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004472	TO90004125	
Sample Date		Client Info		15 Jul 2024	05 Jun 2024	
Machine Age	hrs	Client Info		0	03 3411 2024	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1113	Client Info		N/A	N/A	
Sample Status		Olletti IIIIO		ABNORMAL	NORMAL	
				ADNOMINAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	13	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m		<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	<1	<1	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	0	0	
Tin	ppm	ASTM D5185m	>15	1	2	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	0	2	2	
Calcium	ppm	ASTM D5185m	0	0	2	
Phosphorus	ppm	ASTM D5185m	0	67	20	
Zinc	ppm	ASTM D5185m	0	0	19	
Sulfur	ppm	ASTM D5185m	0	472	146	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	
Sodium	ppm	ASTM D5185m		- <1	<1	
Potassium	ppm	ASTM D5185m	>20	2	5	
Water	%	ASTM D6304	>2.26	0.804	0.586	
ppm Water	ppm	ASTM D6304	>22600	8040	5860	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	<u>23701</u>	2437	
Particles >6µm		ASTM D7647	>2500	<u>^</u> 6174	442	
Particles >14µm		ASTM D7647	>320	302	16	
Particles >21µm		ASTM D7647		57	3	
Particles >38µm		ASTM D7647	>20	2	0	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 22/20/15	18/16/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.19	0.06	



## OIL ANALYSIS REPORT







Certificate 12367

Report Id: CIMCAR [WUSCAR] 06238438 (Generated: 07/18/2024 13:26:18) Rev: 1

Laboratory Sample No.

Lab Number Unique Number : 11127272

: TO90004472 : 06238438

Received **Tested** 

: 18 Jul 2024 Diagnosed : 18 Jul 2024 - Don Baldridge

Test Package : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

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.

: 16 Jul 2024

cleal@cimarron.com

4425 GRANDI RD, UNIT F

Contact: CARLOS LEAL

CARLSBAD, NM

UM 88220-8923

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

Contact/Location: CARLOS LEAL - CIMCAR

T:

F: