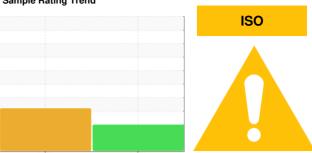


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# NK 112604 (S/N SC471214)

Compressor

CIMARRON HB-150 (--- GAL)

### **DIAGNOSIS**

### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

### **Fluid Condition**

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

			May2024	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004064	TO90004193	
Sample Date		Client Info		06 Jun 2024	07 May 2024	
Machine Age	hrs	Client Info		00 3411 2024	07 Iviay 2024	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1113	Client Info		Changed	N/A	
Sample Status		Olletti IIIIO		ABNORMAL	ABNORMAL	
				ADNOMINAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	2	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m		<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	1	2	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>50	0	<1	
Tin	ppm	ASTM D5185m	>15	2	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	
Barium	ppm	ASTM D5185m	0	<1	1	
Molybdenum	ppm	ASTM D5185m	0	0	<1	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	0	2	0	
Calcium	ppm	ASTM D5185m	0	2	4	
Phosphorus	ppm	ASTM D5185m	0	22	27	
Zinc	ppm	ASTM D5185m	0	11	8	
Sulfur	ppm	ASTM D5185m	0	221	106	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	1	
Sodium	ppm	ASTM D5185m	<i>&gt;</i> 20	, <1	3	
Potassium	ppm	ASTM D5185m	>20	5	1	
Water	%	ASTM D6304	>2.26	0.549	<u>^</u> 0.942	
ppm Water	ppm	ASTM D6304	>22600	5490	▲ 9420	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 87705	△ 24554	
Particles >6µm		ASTM D7647	>2500	<u>△</u> 30953	<u>▲</u> 5885	
Particles >14µm		ASTM D7647	>320	<u>▲</u> 1276	142	
Particles >14µm		ASTM D7647	>80	▲ 208	17	
Particles >38µm		ASTM D7647	>20	6	3	
Particles >71µm		ASTM D7647	>4	0	3	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	△ 24/22/17	△ 22/20/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
		ASTM D8045	mmubase	0.08	0.074	
Acid Number (AN)	mg KOH/g	AO 1 IVI D0040		0.00	0.074	

Contact/Location: CARLOS LEAL - CIMCAR



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO90004064 Lab Number : 06205587 Unique Number : 11073048

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Tested Diagnosed

: 10 Jun 2024 : 19 Jun 2024 : 19 Jun 2024 - Jonathan Hester Test Package : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

4425 GRANDI RD, UNIT F CARLSBAD, NM UM 88220-8923

Contact: CARLOS LEAL cleal@cimarron.com T:

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)

Contact/Location: CARLOS LEAL - CIMCAR

F: