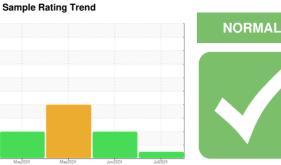


OIL ANALYSIS REPORT



Machine Id

LEROI 111442 (S/N SC392020)

Compressor

CIMARRON HB-150 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

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

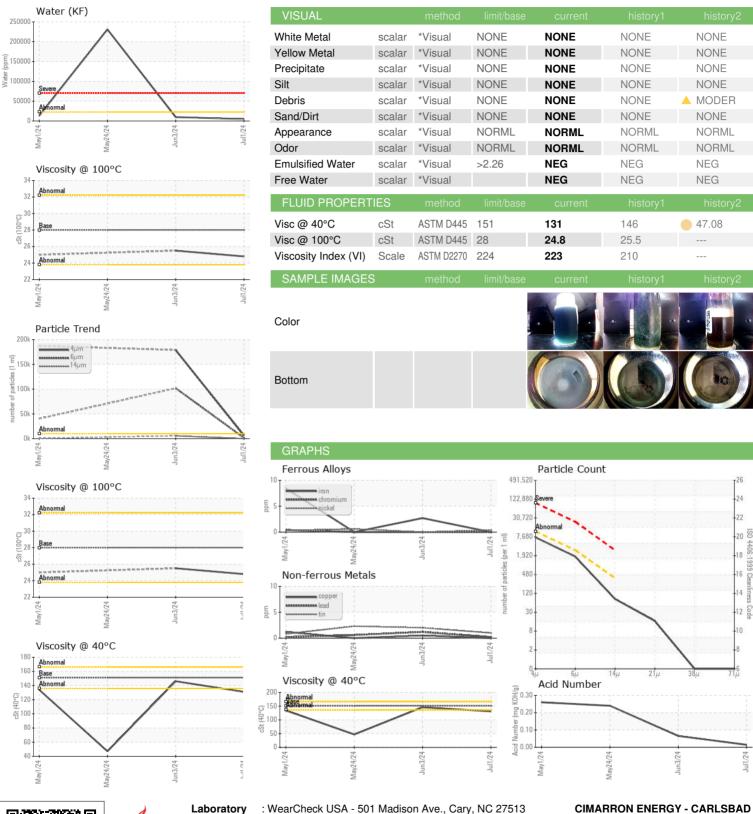
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		May202	4 May2024	Jun2024 J	ul2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004529	TO90004151	TO90004076
Sample Date		Client Info		01 Jul 2024	03 Jun 2024	24 May 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	3	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	<1	1	<1
Copper	ppm	ASTM D5185m	>50	0	<1	0
Tin	ppm	ASTM D5185m	>15	1	2	2
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	11
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	0	5
Calcium	ppm	ASTM D5185m	0	0	0	25
Phosphorus	ppm	ASTM D5185m	0	0	0	36
Zinc	ppm	ASTM D5185m	0	0	0	21
Sulfur	ppm	ASTM D5185m	0	108	34	682
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	25
Sodium	ppm	ASTM D5185m		0	2	4
Potassium	ppm	ASTM D5185m	>20	3	3	6
Water	%	ASTM D6304	>2.26	0.471	0.984	▲ 23.1
ppm Water	ppm	ASTM D6304	>22600	4710	9845	231000
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	6409	<u>▲</u> 178874	
Particles >6µm		ASTM D7647	>2500	1570	<u>▲</u> 101746	
Particles >14μm		ASTM D7647	>320	70	▲ 5514	
Particles >21µm		ASTM D7647	>80	14	△ 504	
Particles >38µm		ASTM D7647	>20	0	13	
Particles >71µm		ASTM D7647	>4	0	1	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/13	<u>\$\text{\scale}\$ 25/24/20</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.014	0.065	0.24

Contact/Location: CARLOS LEAL - CIMCAR



OIL ANALYSIS REPORT







Certificate 12367

Sample No. Lab Number

Laboratory

: TO90004529 : 06233920 Unique Number : 11122754

Received : 11 Jul 2024 **Tested** : 16 Jul 2024 Diagnosed : 16 Jul 2024 - Jonathan Hester

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

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)

4425 GRANDI RD, UNIT F CARLSBAD, NM UM 88220-8923 Contact: CARLOS LEAL

cleal@cimarron.com T:

F: Contact/Location: CARLOS LEAL - CIMCAR