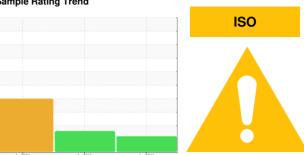


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LEROI VRUOXY0031 (S/N LE17493)

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. Please note that this is a corrected copy.

Wear

All component wear rates are normal.

Contamination

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

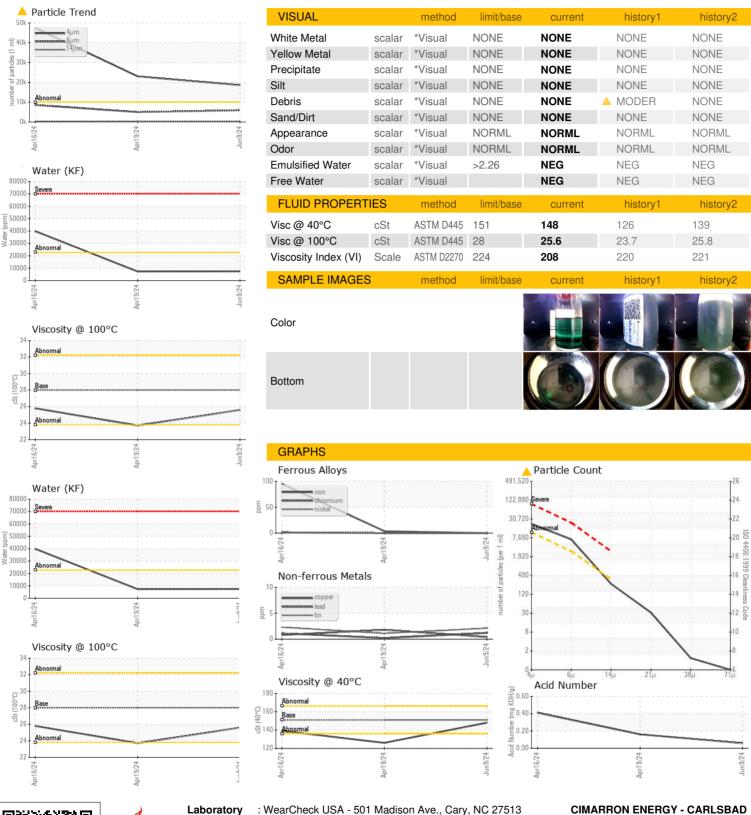
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Agr2024 Agr2024 Jun2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004154	TO90004050	TO90004181
Sample Date		Client Info		09 Jun 2024	19 Apr 2024	16 Apr 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	4	<u></u> 95
Chromium	ppm	ASTM D5185m	>10	0	0	1
Nickel	ppm	ASTM D5185m		0	<1	2
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	1	4
Lead	ppm	ASTM D5185m	>25	1	<1	1
Copper	ppm	ASTM D5185m	>50	<1	2	<1
Tin	ppm	ASTM D5185m	>15	2	1	2
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	0	0	0	<1
Calcium	ppm	ASTM D5185m	0	0	0	6
Phosphorus	ppm	ASTM D5185m	0	<1	0	90
Zinc	ppm	ASTM D5185m	0	0	0	1
Sulfur	ppm	ASTM D5185m	0	86	34	715
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	1	4
Sodium	ppm	ASTM D5185m		0	1	9
Potassium	ppm	ASTM D5185m	>20	3	3	2
Water	%	ASTM D6304	>2.26	0.741	0.733	▲ 3.99
ppm Water	ppm	ASTM D6304	>22600	7416	7330	▲ 39900
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	18554	△ 23009	▲ 47488
Particles >6µm		ASTM D7647	>2500	<u>▲</u> 5914	4977	<u></u>
Particles >14µm		ASTM D7647	>320	229	222	329
Particles >21µm		ASTM D7647		28	43	64
Particles >38µm		ASTM D7647	>20	1	1	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	△ 21/20/15	<u>^</u> 22/19/15	△ 23/20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.058	0.16	0.41



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: TO90004154 : 06204749 Unique Number : 11072210

Received : 10 Jun 2024 **Tested** Diagnosed

: 13 Jun 2024

: 13 Jun 2024 - Doug Bogart Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

CARLSBAD, NM UM 88220-8923 Contact: CARLOS LEAL cleal@cimarron.com T:

4425 GRANDI RD, UNIT F

* - 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)

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

Report Id: CIMCAR [WUSCAR] 06204749 (Generated: 06/22/2024 14:46:44) Rev: 2

Contact/Location: CARLOS LEAL - CIMCAR

F: