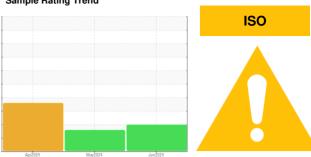


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LEROI 111088

Compressor

CIMARRON HB-150 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

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 acceptable for the time in service.

		Api	72024	May2024 Jun 20	024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004513	TO90004089	TO90003963
Sample Date		Client Info		18 Jun 2024	15 May 2024	10 Apr 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	14	12	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	2
Aluminum	ppm	ASTM D5185m	>25	2	1	<1
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	0	0	<1
Tin	ppm	ASTM D5185m	>15	0	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	<1	3
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	7	<1
Calcium	ppm	ASTM D5185m	0	0	2	4
Phosphorus	ppm	ASTM D5185m	0	27	53	167
Zinc	ppm	ASTM D5185m	0	0	<1	0
Sulfur	ppm	ASTM D5185m	0	599	674	1538
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	1
Sodium	ppm	ASTM D5185m		6	8	2
Potassium	ppm	ASTM D5185m	>20	1	6	2
Water	%	ASTM D6304	>2.26	0.968	1.42	△ 0.252
ppm Water	ppm	ASTM D6304	>22600	9680	14200	△ 2528
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u>^</u> 28841	▲ 79033	<u> </u>
Particles >6µm		ASTM D7647	>2500	<u> </u>	<u>\$\text{25336}\$</u>	<u>▲</u> 52746
Particles >14µm		ASTM D7647	>320	^ 710	<u></u> 948	△ 3785
Particles >21µm		ASTM D7647	>80	△ 56	105	<u></u> 655
Particles >38µm		ASTM D7647	>20	0	1	4
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/21/17</u>	△ 23/22/17	2 4/23/19
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.51	0.35	0.69



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06221299 Unique Number : 11099496

: TO90004513

Received : 26 Jun 2024 **Tested** Diagnosed

: 27 Jun 2024 : 27 Jun 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.

* - 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