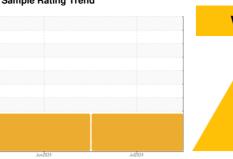


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

LEROI OXY0079

Compressor

CIMARRON HB-150 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

The iron level is abnormal. All other 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.

			Jun2024	Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004477	TO90004540	
Sample Date		Client Info		09 Jul 2024	10 Jun 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	134	△ 61	
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	<1	<1	
Copper	ppm	ASTM D5185m	>50	0	0	
Tin	ppm	ASTM D5185m	>15	1	1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
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	0	
Phosphorus	ppm	ASTM D5185m	0	7	14	
Zinc	ppm	ASTM D5185m	0	0	3	
Sulfur	ppm	ASTM D5185m	0	1604	1577	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	
Sodium	ppm	ASTM D5185m		8	4	
Potassium	ppm	ASTM D5185m	>20	3	6	
Water	%	ASTM D6304	>2.26	0.667	0.106	
ppm Water	ppm	ASTM D6304	>22600	6670	1060	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<u> </u>	<u></u> 53294	
Particles >6µm		ASTM D7647	>2500	△ 6344	<u>▲</u> 13843	
Particles >14μm		ASTM D7647	>320	1658	▲ 589	
Particles >21µm		ASTM D7647	>80	△ 502	<u>124</u>	
Particles >38μm		ASTM D7647	>20	7	8	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 21/20/18	<u>\$\text{23/21/16}\$</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045

0.14

0.33



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: TO90004477 : 06238439 Unique Number : 11127273

Received : 16 Jul 2024 **Tested**

: 18 Jul 2024 Diagnosed Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

: 18 Jul 2024 - Don Baldridge

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

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)

Report Id: CIMCAR [WUSCAR] 06238439 (Generated: 07/18/2024 13:25:42) Rev: 1

Contact/Location: CARLOS LEAL - CIMCAR

T:

F:

4425 GRANDI RD, UNIT F