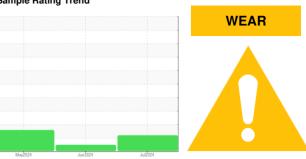


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# LEROI VRUOXY0081 - HP4 FALCON RIDGE (S/N LE15923)

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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

#### Wear

The iron level is abnormal. All other component wear rates are normal.

## Contamination

Moderate concentration of visible dirt/debris present in the oil.

#### **Fluid Condition**

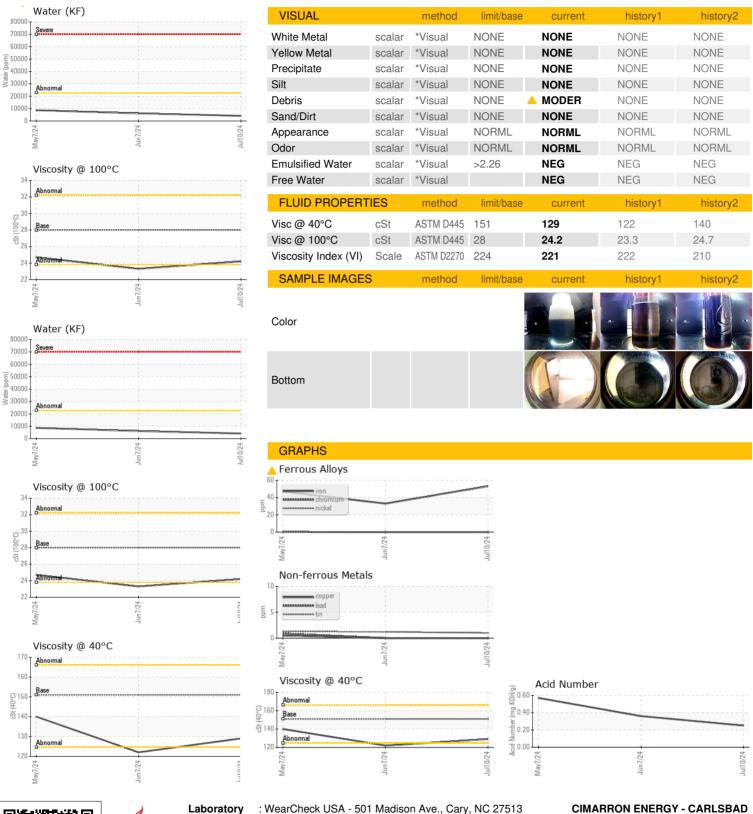
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Ma	y2024	Jun 2024 Jul 20:	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004478	TO90004531	TO90004237
Sample Date		Client Info		10 Jul 2024	07 Jun 2024	07 May 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>△</b> 53	33	47
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	0	0	<1
Tin	ppm	ASTM D5185m	>15	1	1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	2	1	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	10	23	9
Zinc	ppm	ASTM D5185m	0	0	4	0
Sulfur	ppm	ASTM D5185m	0	778	1008	1850
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		3	2	5
Potassium	ppm	ASTM D5185m	>20	2	6	3
Water	%	ASTM D6304	>2.26	0.416	0.612	0.871
ppm Water	ppm	ASTM D6304	>22600	4160	6120	8710
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		2292	<u></u> 173769
Particles >6µm		ASTM D7647	>2500		1046	<b>48960</b>
Particles >14μm		ASTM D7647	>320		254	▲ 356
Particles >21µm		ASTM D7647	>80		23	21
Particles >38μm		ASTM D7647	>20		2	1
Particles >71μm		ASTM D7647	>4		0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15		18/17/15	<b>△</b> 25/23/16
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.36	0.57

Contact/Location: CARLOS LEAL - CIMCAR



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory

Sample No. Lab Number

: TO90004478 : 06238431 Unique Number : 11127265

Received : 16 Jul 2024 **Tested** : 18 Jul 2024

Diagnosed : 18 Jul 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.

 $^st$  - 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)

T:

F:

4425 GRANDI RD, UNIT F

Contact: CARLOS LEAL

cleal@cimarron.com

CARLSBAD, NM

UM 88220-8923