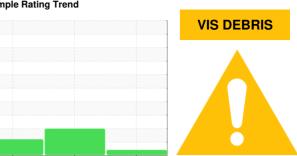


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LEROI VRUOXY0082 - HP3 FALCON RIDGE (S/N LE15924)

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

All component wear rates are normal.

Contamination

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

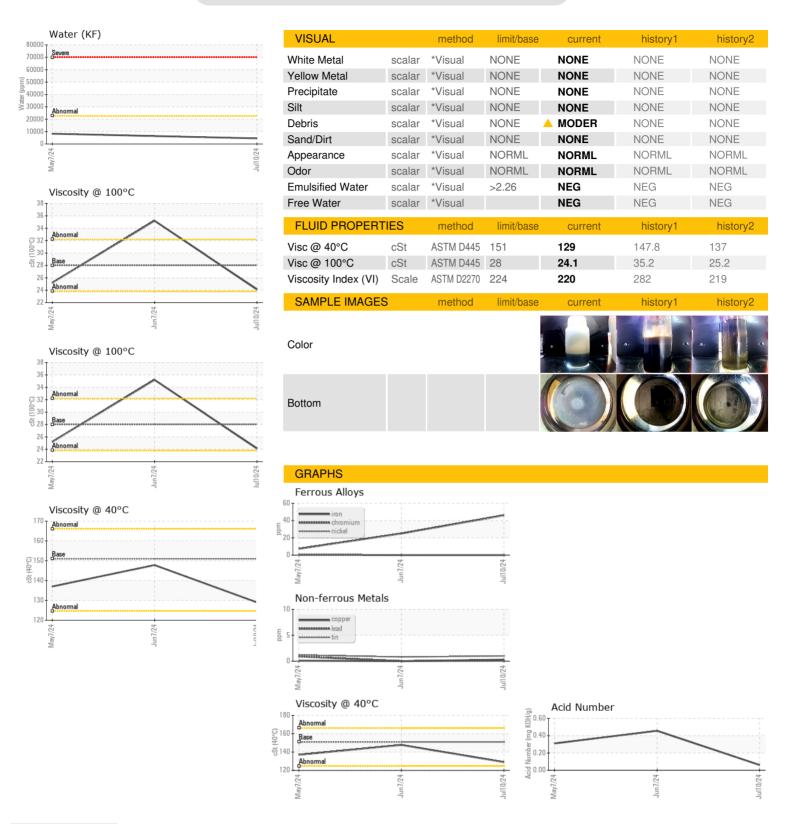
Fluid Condition

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

	May2024 Jun2024 Ju22024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004479	TO90004538	TO90004236
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	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	46	25	7
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	<1	0	<1
Copper	ppm	ASTM D5185m	>50	<1	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	1	10	19
Zinc	ppm	ASTM D5185m	0	0	3	0
Sulfur	ppm	ASTM D5185m	0	623	1408	960
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	2	7
Sodium	ppm	ASTM D5185m		2	3	0
Potassium	ppm	ASTM D5185m	>20	2	4	4
Water	%	ASTM D6304	>2.26	0.453		0.831
ppm Water	ppm	ASTM D6304	>22600	4530		8310
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		△ 361471	<u>^</u> 21203
Particles >6µm		ASTM D7647	>2500		<u>^</u> 219390	2905
Particles >14µm		ASTM D7647	>320		▲ 17870	48
Particles >21µm		ASTM D7647	>80		<u>▲</u> 1571	11
Particles >38µm		ASTM D7647	>20		4	5
Particles >71µm		ASTM D7647	>4		1	4
Oil Cleanliness		ISO 4406 (c)	>20/18/15		<u>△</u> 26/25/21	<u>^</u> 22/19/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.06	0.456	0.31



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO90004479 Lab Number : 06238430 Unique Number : 11127264

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Jul 2024

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

: 18 Jul 2024 - Don Baldridge

4425 GRANDI RD, UNIT F CARLSBAD, NM UM 88220-8923 Contact: CARLOS LEAL cleal@cimarron.com T:

CIMARRON ENERGY - CARLSBAD

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] 06238430 (Generated: 07/18/2024 14:33:11) Rev: 1

Contact/Location: CARLOS LEAL - CIMCAR

F: