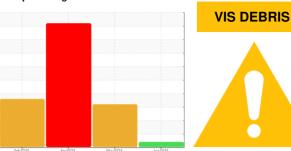


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LEROI 112047 - HP3 (S/N 5680X89)

Compressor

CIMARRON HB-150 (70 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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.

		Feb 202	Apr2024	May2024 Ju	ın2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004080	TO90004234	TO90003976
Sample Date		Client Info		05 Jun 2024	02 May 2024	15 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	SEVERE	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	4	35	▲ 152
Chromium	ppm	ASTM D5185m	>4	0	<1	1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	<1	2	3
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>30	0	<1	<1
Tin	ppm	ASTM D5185m	>15	2	1	4
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	0	0
Barium	ppm	ASTM D5185m	0	0	1	<1
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	2	<1	<1
Calcium	ppm	ASTM D5185m	0	4	5	6
Phosphorus	ppm	ASTM D5185m	0	19	119	186
Zinc	ppm	ASTM D5185m	0	10	7	5
Sulfur	ppm	ASTM D5185m	0	263	1052	909
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	1	1
Sodium	ppm	ASTM D5185m		1	6	10
Potassium	ppm	ASTM D5185m	>20	5	2	3
Water	%	ASTM D6304		0.928	▲ 1.82	▲ 1.267
ppm Water	ppm	ASTM D6304	>22600	9280	▲ 18200	▲ 12674
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		3671	4222
Particles >6µm		ASTM D7647	>2500		523	618
Particles >14µm		ASTM D7647	>320		23	24
Particles >21µm		ASTM D7647	>80		4	7
Particles >38µm		ASTM D7647	>20		0	1
Particles >71µm		ASTM D7647	>4		0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15		19/16/12	19/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.17	0.40	0.50



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06205573

: TO90004080

Unique Number : 11073034

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 Tested

Diagnosed

: 18 Jun 2024 : 18 Jun 2024 - Jonathan Hester

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)

CIMARRON ENERGY - CARLSBAD

4425 GRANDI RD, UNIT F CARLSBAD, NM UM 88220-8923

Contact: CARLOS LEAL

cleal@cimarron.com T:

F: Contact/Location: CARLOS LEAL - CIMCAR