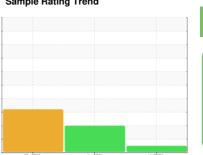


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

NK 112604 (S/N SC471214)

Compressor

CIMARRON HB-150 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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

	May2024		y2024	Jun2024 Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004599	TO90004064	TO90004193
Sample Date		Client Info		11 Jul 2024	06 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		N/A	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	0	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	1	2
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	6	0	<1
Tin	ppm	ASTM D5185m	>15	1	2	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	<1	0
Barium	ppm	ASTM D5185m	0	0	<1	1
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		1	<1	0
Magnesium	ppm	ASTM D5185m	0	3	2	0
Calcium	ppm	ASTM D5185m	0	0	2	4
Phosphorus	ppm	ASTM D5185m	0	9	22	27
Zinc	ppm	ASTM D5185m	0	0	11	8
Sulfur	ppm	ASTM D5185m	0	104	221	106
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	1	1
Sodium	ppm	ASTM D5185m		2	<1	3
Potassium	ppm	ASTM D5185m	>20	4	5	1
Water	%	ASTM D6304	>2.26	0.670	0.549	△ 0.942
ppm Water	ppm	ASTM D6304	>22600	6700	5490	4 9420
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	9970	<u>▲</u> 87705	<u>4</u> 24554
Particles >6µm		ASTM D7647	>2500	2419	▲ 30953	▲ 5885
Particles >14μm		ASTM D7647	>320	69	<u>▲</u> 1276	142
Particles >21µm		ASTM D7647	>80	13	<u>^</u> 208	17
Particles >38µm		ASTM D7647	>20	1	6	3
Particles >71µm		ASTM D7647	>4	0	0	3
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/13	<u>4</u> 24/22/17	<u>22/20/14</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A siel Niversland (ANI)	I/OII/-	VCTM DOUVE		0.075	0.00	0.074

Acid Number (AN)

mg KOH/g ASTM D8045

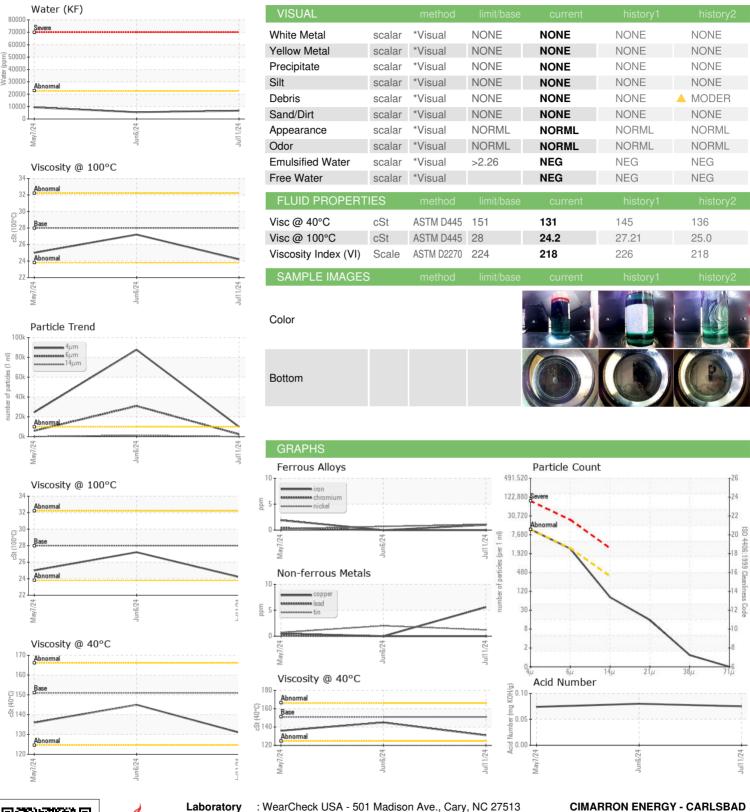
0.08

0.075

0.074



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 11127281

: TO90004599 : 06238447

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)

CIMARRON ENERGY - CARLSBAD

4425 GRANDI RD, UNIT F CARLSBAD, NM UM 88220-8923 Contact: CARLOS LEAL

cleal@cimarron.com T:

Contact/Location: CARLOS LEAL - CIMCAR

F: