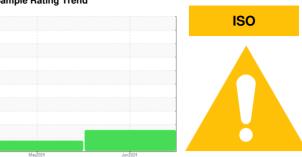


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NK 112827 - RED TANK 27-78 LP1 (S/N SC389372)

Compressor

CIMARRON HB-150 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

All 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.

			May2024	Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004527	TO90004217	
Sample Date		Client Info		27 Jun 2024	09 May 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1113	Client Info		Changed	N/A	
Sample Status		Oliciti iiilo		ABNORMAL	ATTENTION	
			11 11 11			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	1	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m		<1	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	1	<1	
Lead	ppm	ASTM D5185m	>25	<1	<1	
Copper	ppm	ASTM D5185m	>50	0	<1	
Tin	ppm	ASTM D5185m	>15	1	1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	0	0	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	3	10	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	0	54	0	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	1	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	3	3	
Water	%	ASTM D6304	>2.26	1.86	1.85	
ppm Water	ppm	ASTM D6304	>22600	18600	18500	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	43372	10569	
Particles >6µm		ASTM D7647	>2500	11604	2202	
Particles >14µm		ASTM D7647	>320	473	88	
Particles >21µm		ASTM D7647	>80	65	22	
Particles >38µm		ASTM D7647	>20	1	3	
Particles >71µm		ASTM D7647	>4	0	3	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>23/21/16</u>	21/18/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.014

Acid Number (AN)

mg KOH/g ASTM D8045

0.084

Contact/Location: CARLOS LEAL - CIMCAR



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO90004527 Lab Number : 06233921 Unique Number : 11122755

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 11 Jul 2024 **Tested** Diagnosed

: 15 Jul 2024

: 16 Jul 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.

cleal@cimarron.com

CIMARRON ENERGY - CARLSBAD

4425 GRANDI RD, UNIT F

Contact: CARLOS LEAL

CARLSBAD, NM

UM 88220-8923

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: CIMCAR [WUSCAR] 06233921 (Generated: 07/16/2024 14:46:36) Rev: 1

Contact/Location: CARLOS LEAL - CIMCAR

T:

F: