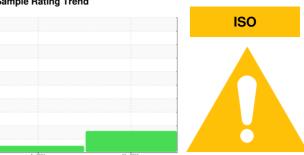


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NK 112609 (S/N SC235682)

Compressor

CIMARRON HB-150 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please note that this is a corrected copy.

Wear

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 acceptable for the time in service.

			Apr2024	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
		Client Info		TO90004166	TO90004022	
Sample Number Sample Date		Client Info		07 May 2024	04 Apr 2024	
Machine Age	hrs	Client Info		07 May 2024	04 Apr 2024 0	
	hrs	Client Info		0	0	
Oil Age Oil Changed	1115	Client Info		N/A	Changed	
Sample Status		Ciletit IIIIO		ABNORMAL	NORMAL	
-				ABNORMAL	NORIVIAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	9	<1	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m		<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	2	2	
Lead	ppm	ASTM D5185m	>25	<1	0	
Copper	ppm	ASTM D5185m	>50	<1	<1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	0	1	0	
Molybdenum	ppm	ASTM D5185m	0	<1	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	0	<1	<1	
Calcium	ppm	ASTM D5185m	0	7	5	
Phosphorus	ppm	ASTM D5185m	0	34	14	
Zinc	ppm	ASTM D5185m	0	3	3	
Sulfur	ppm	ASTM D5185m	0	111	139	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	0	
Sodium	ppm	ASTM D5185m		2	4	
Potassium	ppm	ASTM D5185m	>20	2	2	
Water	%	ASTM D6304	>2.26	1.38	0.771	
ppm Water	ppm	ASTM D6304	>22600	13800	7715	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	103580	8540	
Particles >6µm		ASTM D7647	>2500	<u>^</u> 26517	2320	
Particles >14µm		ASTM D7647	>320	471	134	
Particles >21µm		ASTM D7647	>80	37	23	
Particles >38µm		ASTM D7647	>20	1	1	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	24/22/16	20/18/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A -! -! Ni I (ANI)		ACTM DODAE		0.077	0.40	

Acid Number (AN)

mg KOH/g ASTM D8045

0.19

0.077



OIL ANALYSIS REPORT







Certificate 12367

Lab Number

Laboratory Sample No.

: TO90004166 : 06177746 Unique Number : 11023799

Received : 13 May 2024 **Tested** Diagnosed

: 14 Jun 2024 : 14 Jun 2024 - Doug Bogart Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: CARLOS LEAL cleal@cimarron.com T:

4425 GRANDI RD, UNIT F

CARLSBAD, NM

UM 88220-8923

 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] 06177746 (Generated: 06/15/2024 05:24:33) Rev: 2

Contact/Location: CARLOS LEAL - CIMCAR

F: