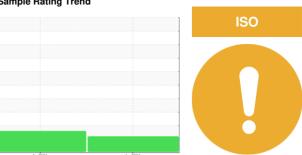


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

NK VRUOXY0069 (S/N LE11369)

Compressor

CIMARRON HB-150 (--- GAL)

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.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Fluid Condition

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

			Apr2024	Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004512	TO90003966	
Sample Date		Client Info		18 Jun 2024	11 Apr 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ATTENTION	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	3	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m		0	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	2	4	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	0	<1	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	
Barium	ppm	ASTM D5185m	0	0	<1	
Molybdenum	ppm	ASTM D5185m	0	0	<1	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	0	<1	<1	
Calcium	ppm	ASTM D5185m	0	0	2	
Phosphorus	ppm	ASTM D5185m	0	7	424	
Zinc	ppm	ASTM D5185m	0	6	2	
Sulfur	ppm	ASTM D5185m	0	92	2978	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	2	
Sodium	ppm	ASTM D5185m		3	5	
Potassium	ppm	ASTM D5185m	>20	1	1	
Water	%	ASTM D6304	>2.26	0.229	<u>^</u> 0.135	
ppm Water	ppm	ASTM D6304	>22600	2290	▲ 1358	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	10946	2188	
Particles >6µm		ASTM D7647	>2500	3096	580	
Particles >14µm		ASTM D7647	>320	99	34	
Particles >21µm		ASTM D7647		12	9	
Particles >38µm		ASTM D7647	>20	0	1	
Particles >71μm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/19/14	18/16/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)		ACTM DODAE		0.17	1.00	

Acid Number (AN)

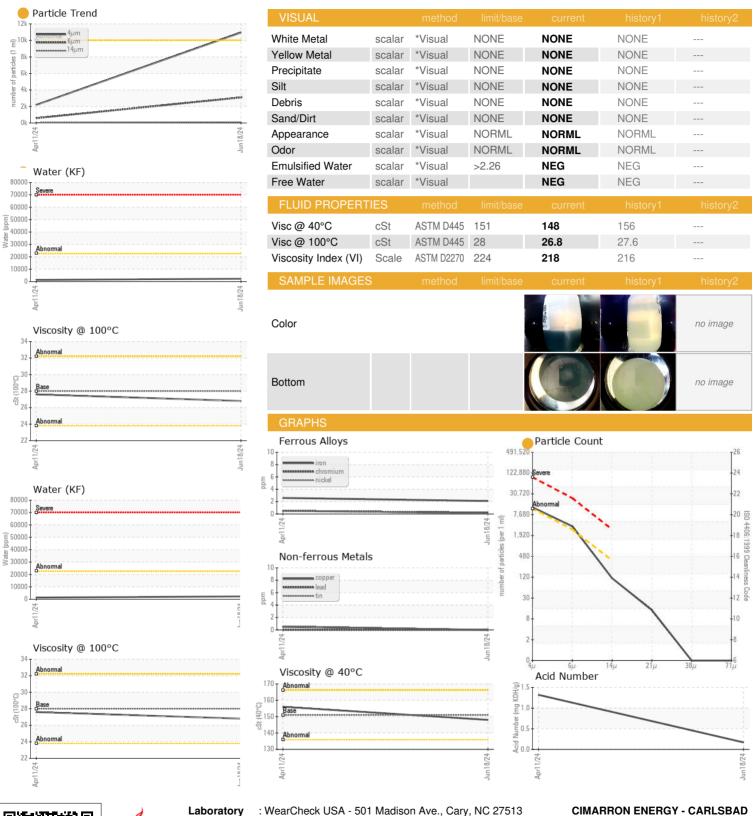
mg KOH/g ASTM D8045

1.32

0.17



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number

: TO90004512 : 06221303 Unique Number : 11099500

Received **Tested**

Diagnosed : 28 Jun 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.

: 26 Jun 2024

: 27 Jun 2024

 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)

4425 GRANDI RD, UNIT F

CARLSBAD, NM UM 88220-8923 Contact: CARLOS LEAL

cleal@cimarron.com

T: F: Contact/Location: CARLOS LEAL - CIMCAR