

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

LEROI 111902 (S/N SC311881)

Compressor Fluid

CIMARRON HB-150 (--- GAL)

DIAGNOSIS

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.

Fluid Condition

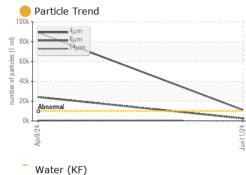
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

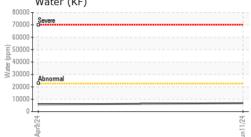
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004535	TO90003998	
Sample Date		Client Info		11 Jun 2024	09 Apr 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ATTENTION	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	4	
Chromium	ppm	ASTM D5185m		0	0	
Nickel	ppm	ASTM D5185m	210	۰ <1	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum		ASTM D5185m	> 25	۰ <1	0	
Lead	ppm		>25	<1	0	
	ppm	ASTM D5185m				
Copper	ppm	ASTM D5185m		0	0	
Tin	ppm	ASTM D5185m	>15	1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	0	2	0	
Calcium	ppm	ASTM D5185m	0	0	<1	
Phosphorus	ppm	ASTM D5185m	0	7	44	
Zinc	ppm	ASTM D5185m	0	4	0	
Sulfur	ppm	ASTM D5185m	0	138	643	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	
Sodium	ppm	ASTM D5185m		<1	<1	
Potassium	ppm	ASTM D5185m	>20	5	0	
Water	%	ASTM D6304	>2.26	0.681	▲ 0.578	
ppm Water	ppm	ASTM D6304	>22600	6810	▲ 5789	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	— 11165	▲ 89182	
Particles >6µm		ASTM D7647	>2500	<mark> </mark> 2594	4 24158	
Particles >14µm		ASTM D7647	>320	143	666	
Particles >21µm		ASTM D7647	>80	47	74	
Particles >38µm		ASTM D7647	>20	7	1	
Particles >71µm		ASTM D7647	>4	1	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>	▲ 24/22/17	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.17	0.24	
· /						

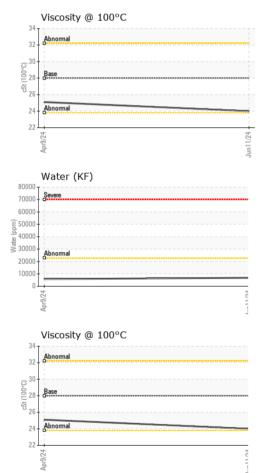
Contact/Location: CARLOS LEAL - CIMCAR Page 1 of 2



OIL ANALYSIS REPORT







White Metal	scalar	*Visual	NONE	NONE	history1 NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERT	IES	method	limit/bas	e current	history1	history2
√isc @ 40°C	cSt	ASTM D445	151	128	138	
Visc @ 100°C	cSt	ASTM D445	28	24.0	25.1	
/iscosity Index (VI)	Scale	ASTM D2270	224	220	216	
SAMPLE IMAGES	S	method	limit/bas	e current	history1	history2
Deler						
Color				TOROTE		no image
				B-A-		
Bottom						no image
GRAPHS						
				Particle Cou	unt	
Ferrous Alloys			491	,520 T	nn	T ²
iron			122	.880 Severe		-2
nickel			122	,000 pevele		
			30	1,720		-2
			_ 7	Abnormal (,680		-2
Apr9/24			Jun11/24 s (per 1 ml			
Ap			Jun es (pe	,920-		
Non-ferrous Metal	s		Jun 11/24 number of particles (per 1 ml)	480	1.	-11
conner 1			ar of p	120-		11
			admu			
sessesses tin				30 -		-11
				8-		11
5			5	2		
Apr9/24			Jun 11/24	2-		N°
			٦٢	0 4μ 6μ	14µ 21µ	38µ 71µ
Viscosity @ 40°C				Acid Numbe	er	
Abnormal			(B/HC	0.25		
Base			ng KC	0.15		
Abnormal			ber (r	0.25 0.20 0.15 0.10 0.05 0.00		
Asse Abnormal			Num	0.05		
4			4 + -	0.00		
Apr9/24			Jun11/24	Apr9/24		
4			Jur	A		
					ARRON ENERGY	
earCheck USA - 50 290004535	Rece	ived : 20	Jun 2024		4425 GRAN	IDI RD, UNIT
	Recei Teste	ived : 20 ed : 24) Jun 2024 Jun 2024		4425 GRAN C	

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

* - 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)

Certificate L2367

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Laboratory

Sample No. Lab Number **Unique Number Test Package**

> Contact/Location: CARLOS LEAL - CIMCAR Page 2 of 2

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