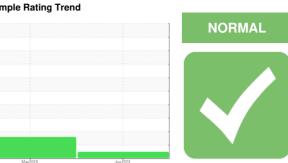


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

LEROI VRUOXY0081 - HP4 FALCON RIDGE (S/N LE15923)

Compressor

CIMARRON HB-150 (--- GAL)

Recommendation

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

Wear

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	Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004531	TO90004237	
•		Client Info		07 Jun 2024		
Sample Date Machine Age	hrs	Client Info		07 Juli 2024	07 May 2024 0	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1115	Client Info		Changed	N/A	
Sample Status		Ciletit iiiio		NORMAL	ABNORMAL	
				NOTIMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	33	47	
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	0	<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	0	0	
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	1	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	23	9	
Zinc	ppm	ASTM D5185m	0	4	0	
Sulfur	ppm	ASTM D5185m	0	1008	1850	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		2	5	
Potassium	ppm	ASTM D5185m	>20	6	3	
Water	%	ASTM D6304	>2.26	0.612	0.871	
ppm Water	ppm	ASTM D6304	>22600	6120	8710	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	2292	▲ 173769	
Particles >6µm		ASTM D7647	>2500	1046	48960	
Particles >14µm		ASTM D7647	>320	254	▲ 356	
Particles >21µm		ASTM D7647	>80	23	21	
Particles >38µm		ASTM D7647	>20	2	1	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/17/15	<u>\$\lambda\$\$ 25/23/16</u>	
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
A siel Nivershau (ANI)	VOII/-	VCTM DOUVE		0.36	0.57	

Acid Number (AN)

mg KOH/g ASTM D8045

0.57

0.36



OIL ANALYSIS REPORT





Certificate 12367

Lab Number

Laboratory Sample No.

: TO90004531 : 06216310 Unique Number : 11089174

Received : 20 Jun 2024 **Tested** Diagnosed

: 24 Jun 2024 : 24 Jun 2024 - Don Baldridge Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

4425 GRANDI RD, UNIT F CARLSBAD, NM UM 88220-8923 Contact: CARLOS LEAL cleal@cimarron.com

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)

Contact/Location: CARLOS LEAL - CIMCAR

T:

F: