

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id LEROI VRUOXY0082 - HP3 FALCON RIDGE (S/N LE15924) Component 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.

Wear

Fluid

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

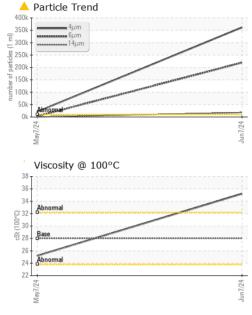
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

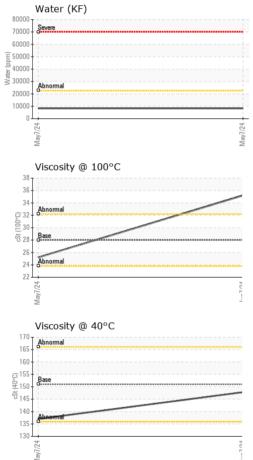
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90004538	TO90004236	
Sample Date		Client Info		07 Jun 2024	07 May 2024	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	25	7	
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		ASTM D5185m	>25	0	<1	
	ppm	ASTM D5185m		0		
Copper	ppm			-	<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	
Volybdenum	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	10	19	
Zinc	ppm	ASTM D5185m		3	0	
Sulfur	ppm	ASTM D5185m	0	1408	960	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		2	7	
Sodium	ppm	ASTM D5185m	220	3	0	
Potassium		ASTM D5185m	>20	4	4	
	ppm %	ASTM D5185III		4 NEG	4 0.831	
Water				NEG		
opm Water	ppm	ASTM D6304	>22600		8310	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 361471	A 21203	
Particles >6µm		ASTM D7647	>2500	<u> </u>	2905	
Particles >14µm		ASTM D7647	>320	<u> </u>	48	
Particles >21µm		ASTM D7647	>80	🔺 1571	11	
Particles >38µm		ASTM D7647	>20	4	5	
		ASTM D7647	>4	1	4	
Particles >71µm						
		ISO 4406 (c)	>20/18/15	A 26/25/21	🔺 22/19/13	
Particles >71µm		ISO 4406 (c) method	>20/18/15 limit/base	26/25/21 current	22/19/13 history1	 history2

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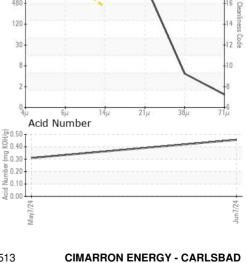
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	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/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	147.8	137	
Visc @ 100°C	cSt	ASTM D445	28	35.2	25.2	
Viscosity Index (VI)	Scale	ASTM D2270	224	282	219	
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color						no image
Bottom						no image
GRAPHS						
Ferrous Alloys				Particle Coun	t	
5 0		and the second second	491,520			T ²⁶
chromium	and the second	and the second se	122,880	Severe		-24
5 - minimum nickel			30,720		\	+22
5				Abnormal	1	
			7,680 (ml)/24 1,920 (ber 1 ml)			120
May7/24			1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000	1		+20 +18 +16 +14 +12
Non-ferrous Metal	s		-110 1110 480	·		-16
⁰ T.			5 5 120			14
copper			a 120		\	14
4			- 30)+		12

40/7ut

Jun7/24.

Non-ferrous Metals

Mav7/74



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Sample No. : TO90004538 : 20 Jun 2024 4425 GRANDI RD, UNIT F Lab Number : 06216316 Tested : 25 Jun 2024 CARLSBAD, NM Unique Number : 11089180 Diagnosed : 25 Jun 2024 - Jonathan Hester UM 88220-8923 Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI) Contact: CARLOS LEAL Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. cleal@cimarron.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: CIMCAR [WUSCAR] 06216316 (Generated: 06/25/2024 16:19:06) Rev: 1

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